



Construction Environmental Management Plan

Prince of Wales/Omāroro Reservoir
Wellington Water Contract Ref: 771.00040

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4	WCC Resource Consent SR447741 – Contaminated Land (NES)
5	Alteration to WCC Designation 135
6	WCC Town Belt Act – Licence 1
7	HEB Construction Ltd Safety, Quality & Environmental Policy
8	Omaroro Construction Project – Organisational Chart
9	HEB Construction Ltd – ISO Accreditation
10	Archaeological Toolbox Topic 1 - New Zealand's Heritage
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1. Introduction

1.1. Purpose

This Construction Environmental Management Plan (CEMP) is for the completion of Wellington Water (WW) Contract Ref: 771.00040 – Omaroro Reservoir. The purpose of the CEMP and sub-management plans is to demonstrate to WW, Wellington City Council (WCC), and the Greater Wellington Regional Council (GWRC) how HEB Construction Ltd (HEB) intends to meet, manage and comply with the conditions of the Designation, Resource Consents and Public Licence issued, and administered by these regulatory agencies. The management plans provide the overarching principles, methodologies, and procedures for managing the effects of the construction to achieve the environmental outcomes and performance standards required by these conditions. The management plans apply to the entire Project and 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 (hardcopy and electronically) for Project and any WW, WCC, or GWRC staff to be able to refer to at any time.

1.2. Management Plan Consolidation

The CEMP is a consolidated management document. The WCC and GWRC have agreed to accept the CEMP and other management plans in a consolidated manner (refer Appendix 1) to positively influence transparency, readability, and thoroughness. Fourteen (14) separate management plans are required pursuant to the various resource consents and Licences associated with the Project, these include:

Management Plans required by Designation 135 issued by WCC

- Construction Management Plan (CMP)
- Earthworks Management Plan (EMP)
- Construction Noise & Vibration Management Plan (CNVMP)
- Landscape & Ecology Management Plan (LEMP)
- Playing Fields Management Plan (PFMP)
- Construction Traffic Management Plan (CTMP)
- Site Specific Traffic Management Plan (SSTMP)

Management Plans required by Town Belt Act Licence 1 issued by WCC

- Construction Site Area Fencing Plan (CSFP)
- Pedestrian Management Plan (PMP)
- Management Plans required by NES1 1 issued by WCC
- Contaminated Soils Management Plan (CSMP)

Management Plans required by Resource Consents issued by GWRC

- Construction Environmental Management Plan (CEMP)
- Erosion & Sediment Control Plan (ESCP)
- Flocculation Management Plan (FMP)
- Earthworks Management Plan (EMP)

As a result of the consolidation process the fourteen (14) management plans have been reduced to five (5) documents. This approach will not dilute in any way, the intent, nature, or number of conditions under which the Omaroro Reservoir Project has been consented. Rather, it will gather together conditions that either repeat, or cover the same general requirement, and then address them all within the same relevant document.

The consolidation process involves a reduction of plans in the following manner:

Construction Environmental Management Plan (CEMP) – consolidates:
 Construction Management Plan (CMP)

Erosion & Sediment Control Plan (ESCP) – consolidates:
 Flocculation Management Plan (FMP)
 Earthworks Management Plan (EMP)
 Earthworks Management Plan (EMP)
 Contaminated Soils Management Plan

Construction Noise & Vibration Management Plan (CNVMP) – no change

Landscape & Ecology Management Plan (LEMP) – consolidates:
 Playing Fields Management Plan (PFMP)
 Construction Site Area Fencing Plan (CSFP)

Construction Traffic Management Plan (CTMP) – consolidates:
 Site Specific Traffic Management Plan (SSTMP)
 Pedestrian Management Plan – (PMP)

1.3. Management Plan Framework

The CEMP, this document, sets the overall framework for the management of the environmental aspects of the project and is supported by sub management plans focusing on the specialist environmental areas of erosion and sediment control, construction noise & vibration, landscape and ecology, and traffic management. Figure 1 illustrates the relationship between the CEMP and the sub environmental management plans.

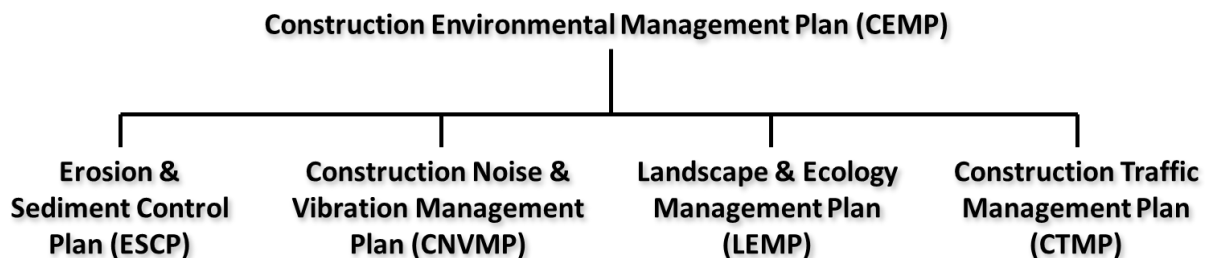


Figure 1: Management Plan relationships.

2. Project Description

The Project relates to the construction, operation, and maintenance of a 35,000 m³ reservoir within the Wellington Town Belt in the Prince of Wales Park, Mount Cook (Figures 2-5). The circular concrete reservoir will be completely buried except for two small access hatches on the roof of the reservoir and a 2.5m by 2.5m doorway and 10m wide service access area to the reservoir’s buried service and pipe tunnel. The reservoir is required to service the Wellington Low Level Water Supply Zone, which provides potable water to approximately 70,000 residents and a range of significant commercial, industrial, and critical community facilities.

The Project includes approximately 3.6ha of earthworks and requires clearance of approximately 4ha of land (including approximately 1.7ha of established vegetation).

2.1. Location

The Reservoir is to be constructed within the confines of the Prince of Wales Park in suburb of Mount Cook, adjacent Wellington Central Business District (CBD).

2.1.1. Extent of Physical Works

Version A of this CEMP has been amended to reflect additional construction scope that has been added to the Project after the CEMP (Version A) was approved by WCC/GWRC and construction had commenced. The supplementary scope of works includes:

- Widen the existing access from Dorking Road to allow emergency and infrequent vehicle access to the reservoir once constructed;
- Construction of two buried flow meter chambers and one buried control valve chamber and realignment of the existing water mains, and
- Relocation of the existing stormwater inlet resulting in construction works encroaching within 5m of the Waitangi Stream tributary.

These changes are addressed specifically in Section 7.11 and Figure 9A. The extent of physical construction activities involved in the Project is illustrated in Appendix 2 “Final General Arrangement Plan” Drawing No. 3262332-CE-1102. The black dashed line within the drawing illustrates the construction boundary. This area is defined and covered by the various regulatory permissions (Refer Section 3) including the changes to the Designation and the additional Resource Consent conditions.

2.1.2. Physical Works Outside of the Temporary Construction Area

Should the need arise for any physical works to be completed outside of the ‘Temporary Construction Area’, including any track works (installation, replacement and/or maintenance of any signage, new track construction, existing track upgrades and/or modifications) that do not required comply with any terms and conditions included in Town Belt Licence, or pursuant to any resource consent condition(s) then they must be under taken under terms and conditions as required by the Manager Open Space and Recreation Planning (Refer Section 5 Roles & Responsibility) and may involve a Licence area variation pursuant to Condition LC.6 of the Licence.

Any variation proposal must be assessed to consider the extent and effect of the variation, and any positive, including net positive, effects associated with the variation. Any variation that is considered by the WCC Manager Open Space and Recreation Planning to be more than minor and not able to generate a net positive effect may require a new licence application process.

HEB Construction acknowledge that the Wellington Town Belt Act 2016 governs the granting of licences within the Wellington Town Belt. No term of the licence or any variation proposed by it in accordance with this clause LC6 may breach any provision of the WTBA

Variations to the licence area require the written approval of the WCC Manager Open Space and Recreation Planning. Any proposal to vary the licence area must be in writing and must include the following information:

- a. A written proposal, with a clear map(s) and/or diagram(s), outlining the need for the variation, the proposed variation area, any activities proposed to be undertaken within the variation area, and an appropriate assessment of the effect(s) of the licence area variation.
- b. Details, if any, of any proposed work(s) or activity(ies) that may be used to offset or mitigate any effect(s) of the proposed licence area variation.
- c. Details, if any, of any temporary or permanent positive effect(s), including net positive effects, on the Town Belt that may be associated with the licence area variation.
- d. A summary and assessment, appropriate to the scale and effect of the proposed licence area variation, of any alternative options considered to avoid or reduce the need for any variation to the licence area, including any reasonable licence area variation alternative(s).
- e. A summary of consultation undertaken with and feedback received from the Community Reference Group (CRG).



Figure 2. Project Location within Wellington City.

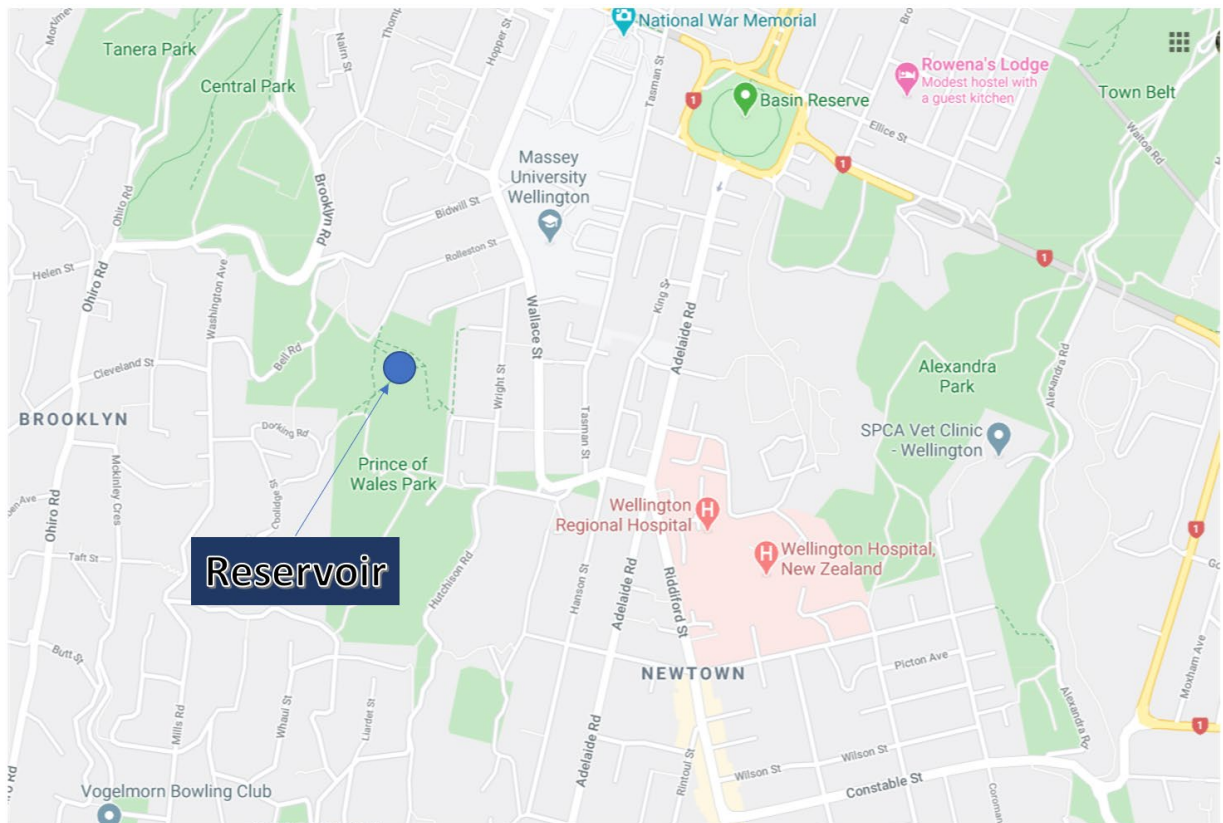


Figure 3. Project Location within Mount Cook & Prince of Wales Park.



Figure 4. Project Location within Mount Cook & Prince of Wales Park.



Figure 5. Project Location within Mount Cook & Prince of Wales Park.

2.2. Schedule of Construction Activities

Listed in Table 1 is an indicative schedule physical construction activity. This will evolve during the construction period for the project as site conditions become fully understood. The estimated overall Project program time frames are from May 2020 to an expected end date of May 2023.

Table 1: Indicative Physical Construction Schedule

Start Date	Finish Date	Project Activity
October 2020	October 2022	Separable Portion 1: Works to Achieve an Operational Reservoir <ul style="list-style-type: none"> • Vegetation Protection • Sediment Control establishment • Vegetation Removal • Topsoil Stripping and stockpiling • Excavation of Reservoir platform “footprint” and stockpiling of material • Construction of Reservoir • Backfilling of material around and over Reservoir • Shaping and contouring of final slopes
May 2023	May 2023	Separable Portion 2: Planting and Landscaping
March 2023	March 2023	Separable Portion 3: Reinstatement of the Playing Fields
March 2023	March 2023	Separable Portion 4: New and Reinstated Walking Tracks
April 2023	April 2023	Separable Portion 5: All Other Works

2.3. Hours of Operation

Normal working hours, shall be:

- For on-site construction activities: 7:30am to 6.00pm Monday to Saturday (excluding public holidays).
- For earthworks related heavy vehicle movements on public roads: 9:00am - 6:00pm Monday to Friday (excluding public holidays).
- For all non-earthwork related heavy vehicle movements on public roads: 9:00am -6:00pm Monday to Friday (excluding public holidays).

2.3.1. Working Hours Exemptions

If work is required outside of the hours of operation described above then the Project Manager can apply to the WCC Compliance Monitoring Officer (CMO). Any proposal to temporarily vary the hours of operation must be made in writing and must include the following information:

- a) A written proposal, with a clear map(s) and/or diagram(s), outlining the need for the variation, the proposed variation area, any activities proposed to be undertaken within the variation area, and an appropriate assessment of the effect(s) of the temporary exemption to operating hours.
- b) Details, if any, of any proposed work(s) or activity(ies) that may be used to offset or mitigate any effect(s) of the proposed temporary exemption to operating hours.
- c) Details, if any, of any temporary or permanent positive effect(s), including net positive effects, on the Town Belt that may be associated with the proposed temporary exemption to operating hours.
- d) A summary of consultation undertaken with and feedback received from the Community Reference Group (CRG).

2.4. Commencement of Construction Activities

Construction related activities associated with the Project may not commence until the requirements identified in Table 2 have been completed.

Table 2: Consent Related Prerequisites for the Commencement of Construction

GWRC Consents 35008-10		
Condition Number	Condition Description	What is Required for Construction to Commence
7	The consent holder shall submit a final Construction Environmental Management Plan (CEMP) for approval by the Manager at least 20 working days prior to any works starting onsite.	Written approval of the CEMP from WCC and GWRC.
7(iv)	The consent holder shall not commence works as authorised by this consent until the CEMP has been approved in writing by the Manager. Works shall be undertaken in accordance with the approved CEMP.	Written approval of the CEMP from WCC and GWRC.
8(l)	The ESCP shall be to the satisfaction of the Manager prior to any works authorised by this consent commencing. Construction shall not commence until the consent holder has received the Manager's written certification of the ESCP.	Written approval of the ESCP from WCC and GWRC.
9(c) note	The first phase-specific ESCP may be submitted to the Manager for approval at the same time as the final ESCP required by condition (8) of this consent.	Written approval of the ESCP from WCC and GWRC.
10(n)	Use of flocculant on site shall not commence prior to receiving written confirmation that the FMP is to the satisfaction of the Manager.	Written Confirmation of an Approved ESCP (consolidated FMP).

11	Prior to the commencement of works for each stage/phase of works, other than those required to establish erosion and sediment control measures which have firstly been agreed to by the Manager, a suitably experienced sediment control practitioner shall inspect the area to certify that the erosion and sediment controls have been constructed in accordance with the ESCP and the FMP approved under conditions (8) and (10) respectively of this consent, and the current version (at the time of submission of the ESCP) of the Erosion and Sediment Control Guidelines for the Wellington Region as a minimum standard	An inspection of the site and erosion and sediment controls by a suitably experienced sediment control practitioner to certify that the erosion and sediment controls have been constructed in accordance with the approved ESCP. Refer Section 4.1 of the ESCP - Appropriately experienced and qualified Sediment Control Managers.
11(c)	The consent holder is advised to complete the sediment control device as-built check sheets available on the Greater Wellington Regional Council's website and to submit these with the certification required under this condition. The certificate shall be submitted within 5 working days of completing the audit and to the satisfaction of the Manager. The works shall not commence until the written certification has been submitted to the Manager and the contractor(s) has been advised by the suitable experienced sediment control practitioner that the measures have been constructed in accordance with the ESCP and FMP.	"As Built" documents relating to erosion and sediment controls have been completed and submitted to GWRC.

WCC Designation 135

Condition	Condition Description	What is Required for Construction to Commence
DC11(a)	The following Management Plans shall be submitted to the CMO for certification either at the same time or post-acceptance of outline plans associated with the construction of the Omāroro Reservoir: <ul style="list-style-type: none"> i. Construction Management Plan ii. Earthworks Management Plan iii. Construction Traffic Management Plan iv. Site Specific Traffic Management Plan v. Construction Noise and Vibration Management Plan vi. Landscape and Ecology Management Plan vii. Playing Fields Management Plan 	Written certification of all required Management Plans has been received from WCC

DC11(b)	Works must not commence until certification of the management plans is received in writing.	Written certification of all required Management Plans has been received from WCC and GWRC.
DC11(c)	All construction of the Project shall be carried out in accordance with the certified management plans required by these conditions	Written certification of the CTMP has been received from WCC.
DC12	The Requiring Authority shall submit draft copies of all management plans (as required by condition DC.11) to the CMO for comment at least 20 Working Days prior to the management plans being lodged for certification. If an Outline Plan has not been submitted prior to this occurring, or an outline plan waiver granted, a draft Outline Plan shall also be provided.	Written certification of all required Management Plans has been received from WCC and GWRC.
DC16(a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a CMP to the CMO for certification	Written certification of the CMP has been received from WCC
DC22(d)	Construction shall not commence until the Requiring Authority has received the Manager's written certification of the CTMP	Written certification of the CTMP has been received from WCC.
DC24(a)	Prior to construction commencing the Requiring Authority shall carry out a preconstruction survey of Rolleston Street.	A preconstruction survey of Rolleston Street as been completed and provided to WCC.
DC24(b)	Prior to construction commencing, the Requiring Authority shall agree in writing with the CMO (who shall consult with the WCC Road Asset Manager) the nature, extent, frequency and any reporting requirements related to the inspections referred to in condition DC.24 c).	A written agreement has been finalised with WCC Road Asset Manager regarding the nature, extent, frequency and any reporting requirements related to the roading asset inspections.
DC28(d)	Construction shall not commence until the Requiring Authority has received the CMO's written certification of the CNVMP.	Written certification of the CNVMP has been received from WCC.
DC32(c)	Construction shall not commence until the Requiring Authority has received the CMO written certification of the LEMP.	Written certification of the LEMP has been received from WCC.
DC38(c)	Construction shall not commence until the Requiring Authority has received the CMO written certification of the PFMP.	Written certification of the LEMP (Consolidated PFMP) has been received from WCC.
DC40(b)	The PFMP shall demonstrate how the outcomes of the consultation have been incorporated and, where they have not, the reasons why.	Written certification of the LEMP (Consolidated PFMP) has been received from WCC.

3. Consents, Designation, Town Belt Act Licence.

The Project has been issued numerous regulatory permissions in the form of Resource Consents, Designations, and Licences. These are identified in Table 3. The Project will be administered in accordance with the requirements and constraints imposed by these regulatory permissions. The CEMP will demonstrate how HEB will achieve compliance within these requirements and constraints. Tables 4A to 4D directs the reader of this document to the section of the CEMP that relates specifically to conditions /requirements of the various regulatory permissions.

Table 3: Regulatory Permissions.

Greater Wellington Regional Council		
Consent Number	Type of Consent	Activity Authorised by Consent
WGN1800065[35008] Refer Appendix 3	Water Permit	To take and use groundwater for the purpose of dewatering excavations, dust suppression and other purposes related to the construction of the Omaroro Reservoir.
WGN1800065[35009] Refer Appendix 3	Discharge Permit	To discharge stormwater from areas of bulk earthworks and dewatered groundwater both treated with chemical flocculants, to land, the stormwater network or directly to water related to the construction of the Omaroro Reservoir.
WGN1800065[35010] Refer Appendix 3	Land Use Consent	To undertake earthworks of an area of more than 3000m ² , including to excavate land that may intercept groundwater(bore), required to construct the Omaroro Reservoir.
WGN200317 [36864] Appendix 26	Land use consent - streamworks	To extend a stormwater pipe by 3m and install a new stormwater inlet and rock riprap, including the associated temporary diversion of water and permanent partial reclamation of the stream bed, within an unnamed tributary of the Waitangi Stream.
Wellington City Council		
Consent Number	Type of Consent	Activity Authorised by Consent
SR447741 Refer Appendix 4	Land Use Consent	To undertake construction works which will breach the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health 2011 (NESCS). Works will be undertaken for the purpose of the construction of the Omaroro Reservoir.
Operative WCC Designation 135 Refer Appendix 5	Designation	Construction, operation and maintenance of a water supply reservoir.

<p>1 Refer Appendix 6</p>	<p>Town Belt Act 2016 Licence</p>	<p>To comply with the conditions set out in the licence agreement and the Town Belt Act and the Town Belt Management Plan, while undertaking pre, post and all construction activity within the licence area (granted by different authorise) and noting its significance as an ecological reserve and recreational enjoyment for the public. The intention is that Wellington Water will return the licence area to Wellington City Council to manage with no outstanding work to complete and no increase in maintenance levels of service (unless approved by the WCC Manager Open Space and Recreation Planning and the cost of this has been added to operational budgets). All areas disturbed by the project will be reinstated to function as intended as Wellington Town Belt reserves.</p>
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3.1. Reference Guide to Management Plans and Sections dealing with GWRC Consent Conditions

To efficiently locate where in either this document, the CEMP, or the appropriate sub-management plan a particular GWRC consent condition, is discussed consult Table 4A below. The middle column will indicate which management plan should be consulted, and the far right-hand-side column will confirm the section(s) to refer to.

Table 4A: GWRC Consent Conditions Reference Guide.

GWRC Consents 35008-10			
General Conditions	Associated Management Plan	Specific Section of the Management Plan	
<p>1 The location, design, implementation and operation of the works shall be in general accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 18 September 2017 and updated timeframes /staging information received on 11 October 2017.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>not applicable</p>	

<p>Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.</p> <p>Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.</p>		
<p>2 This consent shall lapse in ten years from commencement unless given effect to prior to that date.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>not applicable</p>

Pre-construction requirements	Associated Management Plan	Specific Section of the Management Plan
<p>3 The Manager shall be given a minimum of two working days (48 hours) notice prior to the works commencing. Note: Notifications can be emailed to notifications@gw.govt.nz. Please include the consent reference WGN180065 and the name and phone number of a contact person responsible for the proposed works.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>4 The consent holder shall provide a copy of this consent and any documents and plans referred to in this consent to each operator or contractor undertaking the works authorised by this consent, prior to the works commencing.</p> <p>Note: It is recommended that the contractor(s) be verbally briefed on the requirements of the conditions of this consent prior to works commencing.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>8. Training and Education</p>

5	The consent holder shall ensure that a copy of this consent and all documents and plans referred to in this consent, are kept on site at all times and presented to any Wellington Regional Council officer on request.	Construction Environmental Management Plan (CEMP)	8. Training and Education
6	The consent holder shall arrange and conduct a pre-construction site meeting prior to any work authorised by this consent commencing on site and invite, with a minimum of 10 working days' notice, the Greater Wellington Regional Council and all contractor(s) undertaking the works. Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
7	The consent holder shall submit a final Construction Environmental Management Plan (CEMP) for approval by the Manager at least 20 working days prior to any works starting onsite. The CEMP shall include, but not be limited to, the following details to ensure compliance with all conditions of this consent:	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
a)	Responsibilities and contact details of all parties involved with the works, including for public enquiries;	Construction Environmental Management Plan (CEMP)	5. Roles & Responsibilities
b)	A detailed construction methodology for each stage/phase of works, including:	Construction Environmental Management Plan (CEMP)	7. Operational Management
i.	The proposed methodology, options and process for the take, use and discharge of water related to the dewatering activities;	Erosion & Sediment Control Plan (ESCP)	10. Management of Dewatering
ii.	Confirmation of playing fields use and/or raising of levels i.e. a 'Playing Fields Management Plan'; and	Landscape and Ecology Management Plan (LEMP)	9.1 Full Scope and Timing of Works
iii.	Details of enhancement of riparian vegetation along all waterways within the site area;	Landscape and Ecology Management Plan (LEMP)	8.2 Riparian Planting
c)	A timetable including staging, timeframes and duration for the works in each stage/phase of works; and	Construction Environmental Management Plan (CEMP)	2.2 Schedule of Construction Activities
d)	Confirmation of how the consent holder will achieve full compliance with all conditions of the consent and the responsible parties and contact persons, including:		

i.	Methodology and proposed trigger limits for water quality monitoring of the discharges;	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring
ii.	Procedures for environmental auditing, monitoring and reporting;	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring
iii.	Procedures (immediate and subsequent) to be undertaken in the event of a spill of oil or other hazardous substances occurring; and	Construction Environmental Management Plan (CEMP)	7.10 Hazardous Substances Management
iv.	Management of complaints and incidents	Construction Environmental Management Plan (CEMP)	7.1.2. During Construction Notifications
	The consent holder shall not commence works as authorised by this consent until the CEMP has been approved in writing by the Manager. Works shall be undertaken in accordance with the approved CEMP.	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
	Any amendment to the approved CEMP shall be submitted in writing for certification by the Manager at least 15 working days prior to implementing any amendment. Implementation of any amendment shall only occur if the amendment is to the satisfaction of the Manager.	Construction Environmental Management Plan (CEMP)	3.6. Management Plan Amendment & Review
8	The consent holder shall prepare, in consultation with the contractor(s) and engineer(s) undertaking the works, a final Erosion and Sediment Control Plan (ESCP). The ESCP shall be submitted to the Manager for approval at least 20 working days prior to any works starting onsite.	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
	The final ESCP shall as a minimum be prepared in general accordance with the current Erosion and Sediment Control Guidelines for the Wellington Region, and shall include, but not be limited to, the following:	Erosion & Sediment Control Plan (ESCP)	3.4 Erosion & Sediment Control Guidelines
a)	Identification of appropriately experienced staff responsible for the implementation, operation, management and maintenance of all erosion and sediment control structures, including their roles, responsibilities and contact details;	Erosion & Sediment Control Plan (ESCP)	4.1 Appropriately experienced and qualified Sediment Control Managers
b)	A detailed description of the works proposed, construction methodology and timetable;	Erosion & Sediment Control Plan (ESCP)	7 Earthworks Management
c)	Details of all principles, procedures and practices that will be implemented to undertake erosion and sediment control and minimise the potential for the discharge of sediment-laden water from the site;	Erosion & Sediment Control Plan (ESCP)	Management Plan in its entirety

d)	The design criteria and dimensions of all erosion and sediment control measures and devices;	Erosion & Sediment Control Plan (ESCP)	4. Erosion & Sediment Control Development.
e)	Plan(s) of an appropriate scale clearly identifying:		
i.	The locations of waterways and stormwater drains;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
ii.	Staging sequence of erosion and sediment control measures and devices;	Erosion & Sediment Control Plan (ESCP)	7.2 Staging of Works
iii.	Areas and cross sections of cut and fill and the inclusion of staged stripping of vegetation and cutting to ensure erosion and sediment control measures and devices are not overloaded;	Erosion & Sediment Control Plan (ESCP)	7.1 Cut to Fill Schedule
iv.	The extent of soil disturbance and vegetation removal;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
v.	Any “no go” and/or buffer areas to be maintained undisturbed, including minimum buffer strips of riparian vegetation to be retained;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
vi.	Locations of all stockpiles, stabilised access roads and stabilised construction entrances;	Erosion & Sediment Control Plan (ESCP)	9.4.5 Stockpile Management
vii.	All erosion and sediment control measures, including diversion channels;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
viii.	The boundaries and area of catchments contributing to all stormwater impoundment structures;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
ix.	The locations of all specific points of discharge to the environment, including to the stormwater network;	Erosion & Sediment Control Plan (ESCP)	Appendix 1
x.	Civil infrastructure to be constructed in relation to completed bulk earthworks areas; and	Erosion & Sediment Control Plan (ESCP)	Appendix 1
xi.	Any other relevant site information;	Erosion & Sediment Control Plan (ESCP)	Entire Plan
f)	Timetable and nature of progressive site rehabilitation and re-vegetation proposed;	Landscape & Ecology Management Plan (LEMP)	8.3.4 Reinstatement Areas
g)	Maintenance, monitoring and reporting procedures and frequency;	Erosion & Sediment Control Plan (ESCP) Construction Environmental Management Plan (CEMP)	11.8 Monitoring & Maintenance 7.1.2. During Construction Notifications 12. Monitoring & Review

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 measures or devices;	Erosion & Sediment Control Plan (ESCP)	11.8 Monitoring & Maintenance
i)	Procedures and timing for review and/or amendment to the ESCP;	Erosion & Sediment Control Plan (ESCP)	14 Review & Revision of the Erosion & Sediment Control Plan.
j)	Decommissioning methodology for all erosion and sediment control measures and devices including the procedure for obtaining the Manager's prior approval;	Erosion & Sediment Control Plan (ESCP)	13.1.2 Removal of Sediment Controls
k)	Procedures for re-instating erosion and sediment control measures and devices at the end of each working day, where applicable; and	Erosion & Sediment Control Plan (ESCP)	11.8 Monitoring & Maintenance
l)	Reasons for any variance to the current Erosion and Sediment Control Guidelines for the Wellington Region.	Erosion & Sediment Control Plan (ESCP)	3.4 Erosion & Sediment Control Guidelines
	The ESCP shall be to the satisfaction of the Manager prior to any works authorised by this consent commencing. Construction shall not commence until the consent holder has received the Manager's written certification of the ESCP.	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
	Any amendments proposed to the approved ESCP shall be confirmed in writing by the consent holder and be to the satisfaction of the Manager, prior to the implementation of any amendments proposed.	Construction Environmental Management Plan (CEMP)	3.6 Management Plan Amendment and Review
9	At least 20 working days prior to the commencement of works on site, the consent holder shall submit a phase-specific ESCP to the Manager for certification. The phase-specific ESCP shall be consistent with the final ESCP submitted in accordance with condition (8).	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
	Where a minor change to a phase-specific ESCP is required, the consent holder shall notify the Manager in writing within two working days of implementing the change. For the purposes of this condition, a minor change includes:	Construction Environmental Management Plan (CEMP)	3.6 Management Plan Amendment and Review 7.1.2 During Construction Notification Requirements
a)	Implementation or repositioning of silt fences and super silt fences;		
b)	Implementing or repositioning of diversion bunds, check dams, or inlet protection; and		
c)	Any other minor changes as defined in the ESCP or as otherwise agreed with the Manager		

Note:	The first phase-specific ESCP may be submitted to the Manager for approval at the same time as the final ESCP required by condition (8) of this consent.	Construction Environmental Management Plan (CEMP)	2.4. Commencement of Construction Activities
10	The consent holder shall prepare, in consultation with a suitably qualified and experienced flocculant professional, a final Flocculation Management Plan (FMP). The FMP shall be submitted to the Manager for approval at least 20 working days prior to the commencement of earthworks.	Construction Environmental Management Plan (CEMP) Erosion & Sediment Control Plan (ESCP)	7.1.1 Pre-construction Notification Requirements 11 Chemical Treatment
	The FMP shall include, but not be limited to:	Erosion & Sediment Control Plan (ESCP)	11.4 Chemical Testing Results and Discussion
a)	Confirmation of the flocculant to be used and the dosing method of flocculation to be used;		
b)	Details of how the flocculation dosage will be triggered;	Erosion & Sediment Control Plan (ESCP)	11.5 Chemical Treatment System
c)	Confirmation of the constructed shape and size of the SRP(s) and demonstration that the SRP(s) size and shape is appropriate for the relevant catchment;	Erosion & Sediment Control Plan (ESCP)	8.4.9 Sediment Retention Ponds
d)	Confirmation of the optimum dosage rate calculated from the soils in the ponds catchment, including calculation details and bench testing results;	Erosion & Sediment Control Plan (ESCP)	11.4 Chemical Testing Results and Discussion
e)	An assessment of alternative flocculants and dosing methods and an explanation as to why the flocculant system was chosen, including discussion on ensuring accurate dosing/reducing overdosing, automated systems, flow-activated dosing, theoretical SRP volume/rain-activated dosing;	Erosion & Sediment Control Plan (ESCP)	11.4 Chemical Testing Results and Discussion
f)	Procedures for changing the flocculant method if the proposed method is found to be ineffective after use onsite (including timeframes for making the change between methods);	Erosion & Sediment Control Plan (ESCP)	11.9 Chemical Treatment Review 14 Review & Revision of the Erosion & Sediment Control Plan.
g)	Location plan and procedures for the storage of flocculation chemical(s) onsite;	Construction Environmental Management Plan (CEMP)	7.10 Hazardous Substance Management
h)	A flocculation chemical spill contingency plan including onsite roles and responsibilities;	Construction Environmental Management Plan (CEMP)	7.10 Hazardous Substance Management
i)	Identification of pH, dissolved aluminium, NTU and/or TSS trigger levels and procedures to be undertaken if the trigger levels are exceeded;	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring

11	<p>Prior to the commencement of works for each stage/phase of works, other than those required to establish erosion and sediment control measures which have firstly been agreed to by the Manager, a suitably experienced sediment control practitioner shall inspect the area to certify that the erosion and sediment controls have been constructed in accordance with the ESCP and the FMP approved under conditions (8) and (10) respectively of this consent, and the current version (at the time of submission of the ESCP) of the Erosion and Sediment Control Guidelines for the Wellington Region as a minimum standard. Certification shall include, but not be limited to, the following:</p> <p>a) Contributing catchments, dimensions and storage volumes of sediment retention ponds, decanting earth bunds, silt fences and diversion channels/bunds as applicable;</p>	<p>Erosion & Sediment Control Plan (ESCP)</p> <p>Construction Environmental Management Plan (CEMP)</p> <p>Erosion & Sediment Control Plan (ESCP)</p>	<p>4.1 Appropriately experienced and qualified Sediment Control Managers</p> <p>2.4 Commencement of Construction Activities</p> <p>Appendix 1</p>
b)	As-built plans of the key erosion and sediment controls measures; and	Erosion & Sediment Control Plan (ESCP)	13.2 "As Built" Documentation.
c)	<p>Any other details that will facilitate assessment of compliance with the authorised ESCP, authorised FMP and the current Erosion and Sediment Control Guidelines for the Wellington Region.</p> <p>Note: The consent holder is advised to complete the sediment control device as-built check sheets available on the Greater Wellington Regional Council's website</p> <p>http://www.gw.govt.nz/assets/OurEnvironment/Land%20and%20soil/Earthworks-page-As-builtCertificationSheet.pdf and to submit these with the certification required under this condition.</p> <p>The certificate shall be submitted within 5 working days of completing the audit and to the satisfaction of the Manager. The works shall not commence until the written certification has been submitted to the Manager and the contractor(s) has been advised by the suitable experienced sediment control practitioner that the measures have been constructed in accordance with the ESCP and FMP.</p>	Erosion & Sediment Control Plan (ESCP)	13.2 "As Built" Documentation.

Winter works		Associated Management Plan	Specific Section of the Management Plan
12	No works shall take place on site during the period of 1 June to 30 September inclusive each year unless approved by the Manager.	Erosion & Sediment Control Plan (ESCP)	13.1.1 Earthworks Season and Winter Works

<p>13 All earth worked areas shall be stabilised during the period between 1 June to 30 September inclusive each year unless a later date is approved in writing by the Manager.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>13.1.1 Earthworks Season and Winter Works</p>
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Erosion and sediment control activities	Associated Management Plan	Specific Section of the Management Plan
<p>14 All erosion and sediment control measures and devices shall as a minimum be installed, operated and maintained in accordance with the latest version of the Erosion and Sediment Control Guidelines for the Wellington Region (September 2002) and the approved CEMP required by condition (7), ESCP required by condition (8) and FMP required by condition (10) of this permit.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>8.3 Management & Design Objectives</p>
<p>15 All erosion and sediment control measures and devices shall remain the responsibility of the consent holder. No erosion or sediment control measures or devices shall be removed prior to the applicant receiving written confirmation that the relevant stage/phase area is stabilised to the satisfaction of the Manager in accordance with condition (24) of this consent.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>13.1.2. Removal of Sediment Controls</p>
<p>16 The consent holder shall ensure that all sediment retention ponds within the site are chemically flocculated from the time the ponds are operational until the ponds are decommissioned. The exception is if flocculation dosing is temporarily stopped due to monitoring results in accordance with condition (38) of this consent.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>11 Chemical Treatment</p>
<p>17 The consent holder shall ensure that all stormwater contaminated with sediment discharged from the site is treated by erosion and sediment control measures as detailed in the approved ESCP required by condition (8) of this permit.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>8.1 Design Philosophy</p>
<p>18 Grit traps shall only be used as a secondary (interim) control to the primary devices of the sediment retention ponds. Silt fencing shall only be used where runoff cannot practically be directed to a primary control for treatment.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>8.4.6. Sediment Traps</p>
<p>19 The consent holder shall ensure that prior to the completion of operations each working day that all necessary erosion and sediment control measures are reinstated as detailed in the approved ESCP required by condition (8) of this permit</p>	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>13.1 Construction Management</p>

Discharge activities		Associated Management Plan	Specific Section of the Management Plan
20	The consent holder shall take all practicable steps to minimise sediment loading and increased turbidity of any waterbody due to the works, including by:		
a)	Ensuring all stormwater and water discharged from the dewatering activities is directed to the appropriate erosion and sediment control measure or device prior to discharge;	Erosion & Sediment Control Plan (ESCP)	10 Management of Dewatering
b)	Maximising the buffer of established riparian vegetation retained between the works and any waterway;	Landscape & Ecology Management Plan (LEMP)	8.2 Riparian Planting
c)	Completing all works in the minimum time practicable; and	Erosion & Sediment Control Plan (ESCP)	8.3 Management & Design Objectives
d)	Minimising the area of disturbance at all times.	Erosion & Sediment Control Plan (ESCP)	8.3 Management & Design Objectives
21	Notwithstanding the requirements of any other conditions of this consent, the consent holder shall ensure that, after a reasonable mixing zone, discharges from the site shall not give rise to any of the following effects in any receiving waterbody:	Landscape & Ecology Management Plan (LEMP)	7.4.1 Rainfall Event Monitoring
a)	The production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials; or		
b)	Any conspicuous change in the colour or visual clarity; or		
c)	Any emission of objectionable odour; or		
d)	The rendering of fresh water unsuitable for consumption by farm animals; or		
e)	Any significant adverse effects on aquatic life.		
Note:	For the purposes of this condition, the end zone of reasonable mixing is defined as a point 50 metres downstream from any point of discharge to a waterbody.	Landscape & Ecology Management Plan (LEMP)	7.4.2 Actions Resulting from a Discharge
22	The consent holder shall ensure that discharges to surface water bodies undertaken in accordance with this consent are carried out in a manner that does not cause erosion, scour or instability of the affected stream bed or banks. Any erosion, scour or instability of the stream bed or banks that is attributable to the works shall be remedied by the consent holder within a timeframe as specified by the Manager.	Erosion & Sediment Control Plan (ESCP)	10.3 Dewatering Methodologies

Bulk earthwork activities		Associated Management Plan	Specific Section of the Management Plan
23	The maximum area of disturbance at any one time shall not exceed the calculated capacity of the sediment treatment device required by the ESCP for that stage/phase of works as approved under condition (9).	Erosion & Sediment Control Plan (ESCP)	8.3 Management & Design Objectives
24	The consent holder shall:		
a)	Progressively stabilise any disturbed areas as they complete each earthworks stage/phase of work to minimise sediment runoff. The progressive stabilisation shall be to the satisfaction of the Manager.	Erosion & Sediment Control Plan (ESCP)	8.3 Management & Design Objectives
b)	Ensure that a method of stabilisation (e.g. hydroseeding) is applied to each disturbed area within two weeks of completion of the cut or fill works. All stabilisation methods shall be effective within one month of being applied or after a longer period if agreed in writing by the Manager.	Erosion & Sediment Control Plan (ESCP)	9.4.3. Surface Application of Polymer Stabilisers & Hydroseed
c)	Ensure that each stage of bulk earthworks shall be stabilised before any further stages are undertaken, unless otherwise authorised in writing by the Manager.	Erosion & Sediment Control Plan (ESCP)	8.3 Management & Design Objectives
25	All fill material used on site shall:		
a)	Be restricted to natural material, such as clay, soil and rock and other inert materials as detailed in the definition of cleanfill material in section 2.2 of the Ministry for the Environment publication A guide to the Management of Cleanfills, 2002; and	Erosion & Sediment Control Plan (ESCP)	7.1. Cut to fill schedule
b)	Be restricted to those materials listed as acceptable in table 4.1 of the Ministry for the Environment publication A guide to the Management of Cleanfills, 2002.	Erosion & Sediment Control Plan (ESCP)	7.1. Cut to fill schedule
26	All fill material shall be placed and compacted so as to avoid erosion and instability. Any erosion of soil including failure of cut and fill batters that is attributable to the works shall be contained, remedied and mitigated by the consent holder to the satisfaction of the Manager.	Erosion & Sediment Control Plan (ESCP)	7.4. Stability

27	<p>In the event of a spill of fuel, hydraulic fluid, or other potential liquid contaminants, immediate steps shall be taken to contain the spilt contaminant. The spilt contaminants and any materials used to contain it shall be removed from the site and disposed of at an authorised landfill.</p> <p>The consent holder shall also immediately notify the Manager of the spill and actions taken.</p>	Construction Environmental Management Plan (CEMP)	<p>7.10 Hazardous Substances Management</p> <p>7.1.2. During Construction Notification Requirements</p>
28	<p>If koiwi, taonga, waahi tapu or other archaeological material is discovered in any area during the works, work shall immediately cease and the consent holder shall notify Greater Wellington Regional Council, Port Nicholson Block Settlement Trust, Te Rūnanga o Toa Rangatira Inc. and Heritage New Zealand as soon as possible but within twenty four hours. If human remains are found, the New Zealand Police shall also be contacted.</p>	Construction Environmental Management Plan (CEMP)	<p>7.4 Archaeological Site Management</p> <p>7.1.2. During Construction Notification Requirements</p>
	<p>The consent holder shall allow the above parties to inspect the site and in consultation with them, identify what needs to occur before work can resume.</p> <p>No works may resume on site until the consent holder has received written notification that consultation with the parties identified above has been undertaken to the satisfaction of the Manager.</p>	Construction Environmental Management Plan (CEMP)	7.4 Archaeological Site Management
Note 1:	<p>Notification should be emailed to</p> <ol style="list-style-type: none"> 1. Greater Wellington Regional Council notifications@gw.govt.nz 2. Heritage New Zealand information@heritage.org.nz 3. Port Nicholson Block Settlement Trust taiao@portnicholson.org.nz 4. Te Rūnanga o Toa Rangatira Inc. resourcemanagement@ngatitoea.iwi.nz <p>Heritage New Zealand should also be contacted by phone on 04 472 4341 (National Office).</p>	Construction Environmental Management Plan (CEMP)	7.4 Archaeological Site Management
Note 2:	<p>Evidence of archaeological material may include burnt stones, charcoal, rubbish heaps, shell, bone, old building foundations, artefacts and human burials.</p>	Construction Environmental Management Plan (CEMP)	7.4 Archaeological Site Management

Dewatering activities		Associated Management Plan	Specific Section of the Management Plan
29	The consent holder shall undertake the proposed dewatering of the reservoir excavation site and associated discharges from the reservoir excavation site in accordance with the methodologies described in the final CEMP to be submitted to the Manager for approval in accordance with condition (7).	Erosion & Sediment Control Plan (ESCP)	10 Management of Dewatering
	No amendments to the methodology shall be made until the consent holder has received written approval that the amendments are approved to the satisfaction of the Manager.	Erosion & Sediment Control Plan (ESCP)	14 Review & Revision of the Erosion & Sediment Control Plan.
30	For the period of time when water is extracted from the reservoir excavation site, the consent holder shall record:	Erosion & Sediment Control Plan (ESCP)	10.4.1 Reservoir Dewatering Monitoring
a)	The pump rate;		
b)	The date and time of each pumping commencement and completion; and		
c)	Any change in the pump rate.		
	This record shall be maintained at the site and shall be made available to any officer of the Greater Wellington Regional Council upon request. The record shall be submitted to the Manager at the end of each calendar month.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements
31	In the event of the visible flow of any surface water body near the dewatered excavation site being depleted by the dewatering activity, the consent holder shall:	Erosion & Sediment Control Plan (ESCP)	10.4.1 Reservoir Dewatering Monitoring
a)	Immediately cease the dewatering activity; and		
b)	Notify and liaise with Greater Wellington Regional Council to establish what actions should be undertaken and when the take can recommence.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements
	No dewatering may recommence until the consent holder has received written notification that the actions established under (b) are approved to the satisfaction of the Manager.	Erosion & Sediment Control Plan (ESCP)	10.4.1 Reservoir Dewatering Monitoring
32	The Manager shall be notified within two working days (48 hours) when the reservoir excavation site has been sealed and water is no longer being taken, treated and discharged from the excavation.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements

Note 1:	Notifications can be emailed to notifications@gw.govt.nz. Please include the consent reference WGN180065 and the name and phone number of a contact person responsible for the works.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements
Note 2:	Sealing of the excavated reservoir area is defined as the installation of a permanent slab and sealing of the walls to significantly reduce or prevent groundwater inflows into the reservoir area.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements

Site auditing requirements		Associated Management Plan	Specific Section of the Management Plan
33	<p>The consent holder shall ensure that the site is audited by a suitably qualified and experienced person on a minimum of:</p> <ol style="list-style-type: none"> 1. A weekly basis, and 2. After a rainfall event of greater than 20mm in a 24-hour period, or 7mm in a one hour period, as measured at the Greater Wellington Regional Council's 'Newtown at Mansfield Street' rainfall monitoring site, or 3. At a longer frequency to the satisfaction of the Manager 	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring
	The audits are to ensure that the erosion and sediment control methods are being maintained in accordance with the approved final ESCP referred to in condition (8) and the relevant phase-specific ESCP referred to in condition (9).	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring
	<p>The audits shall include, but not be limited to, the following information:</p> <ol style="list-style-type: none"> a) Date; b) Name of auditor; c) Site condition; d) Weather conditions; e) Sediment management (including identification of problem areas that are not being treated by sediment control measures, and any measures put in place to treat these areas); f) Runoff control (check of diversion channels and check sediment retention pond); g) Condition and effectiveness of erosion and sediment control measures and devices, including silt fences, contour drains and sediment retention ponds; h) Maintenance required and the date this will be completed by; 	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring

i)	Contractor responsible for the maintenance; and		
j)	General comments.		
Note:	Audits will be required while any area is being cleared of vegetation and soil, or earthworked. Once an area has been stabilised in accordance with condition (24) and there are no works occurring on site, the audits for this condition are no longer required.	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring
34	The results of the audits as required by condition (33) shall be submitted to the Manager no later than five working days following the audit.	Construction Environmental Management Plan (CEMP)	7.1.2 During Construction Notification Requirements

Rainfall and flocculation monitoring of SRP		Associated Management Plan	Specific Section of the Management Plan																																								
35	The consent holder shall sample and record the following parameters for each chemically-treated sediment retention pond (SRP) at the stated locations, as soon as practicable within daylight hours after a rainfall event of greater than 7mm in 1 hour or 20mm in a 24 hour period as measured at the Greater Wellington Regional Council's 'Newtown at Mansfield Street' rainfall monitoring site.	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring																																								
	<table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th colspan="4">Location within each SRP</th> <th rowspan="2">At the reasonable mixing zone</th> </tr> <tr> <th>Inflow</th> <th>Forebay</th> <th>Pond</th> <th>Outlet</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Temperature (°C)</td> <td></td> <td></td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>Turbidity (NTU)</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Suspended solids (g/m³)</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Dissolved aluminium (g/m³)</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>	Parameter	Location within each SRP				At the reasonable mixing zone	Inflow	Forebay	Pond	Outlet	pH	✓	✓	✓	✓	✓	Temperature (°C)			✓		✓	Turbidity (NTU)		✓	✓	✓	✓	Suspended solids (g/m ³)		✓	✓	✓	✓	Dissolved aluminium (g/m ³)			✓	✓	✓		
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Suspended solids (g/m ³)		✓	✓	✓	✓																																						
Dissolved aluminium (g/m ³)			✓	✓	✓																																						
Note 1:	The consent holder is only required to undertake outlet monitoring if the SRP is discharging.																																										
Note 2:	Dissolved aluminium only needs to be sampled for monitoring if the flocculant Poly-aluminium Chloride (PAC) is being used to treat the SRP(s).																																										
36	In addition to the monitoring undertaken in accordance with condition (35), the consent holder shall arrange for weekly site visits to be undertaken by an independent flocculation specialist who shall sample and record the following parameters for each chemically treated SRP at the stated locations:	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring																																								

Parameter	Location within each SRP				At the reasonable mixing zone
	Inflow	Forebay	Pond	Outlet	
pH		✓	✓	✓	
Temperature (°C)			✓		
Turbidity (NTU)				✓	
Suspended solids (g/m ³)				✓	
Dissolved aluminium (g/m ³)			✓	✓	✓

Note: Dissolved aluminium only needs to be sampled for monitoring if the flocculant Poly-aluminium Chloride (PAC) is being used to treat the SRP(s).

Note: The consent holder is only required to undertake in-stream monitoring at the reasonable mixing zone and monitoring at the SRP outlets if the SR's are discharging.

37	The results of the monitoring undertaken in accordance with conditions (35) and (36) shall be submitted to the Manager within two working days (48 hours) of the date the sampling is undertaken.	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring
38	Should any monitoring results required under conditions (35) or (36) indicate that the pH of any chemically-treated SRP outflow is at or below 5.5, and/or the dissolved aluminium levels increase above 0.087 mg/L, the dosing of that SRP with flocculant shall cease immediately and the SRP decants raised. In this event, the Manager shall be notified immediately, and the consent holder shall liaise with the Manager on an appropriate course of action. Note: This condition is only relevant if the SRP(s) is to be treated with PAC.	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring
39	The consent holder's requirements under conditions (35) to (38) shall cease when the catchment has been completely stabilised and the SRP(s) decommissioned in accordance with the conditions of this consent, or with the written authorisation of the Manager.	Erosion & Sediment Control Plan (ESCP)	10.4.2 SRP Dewatering Monitoring

Complaints and incidents		Associated Management Plan	Specific Section of the Management Plan
40	The consent holder shall maintain a written record of any complaints received alleging adverse effects from or related to the exercise of this consent, for the duration of works authorised by this consent. This record shall include: a) The name and address (as far as practicable) of the complainant;	Construction Environmental Management Plan (CEMP)	10 Complaints Management

	<p>b) Identification of the nature of the matter complained about;</p> <p>c) Date and time of the complaint and of the alleged event;</p> <p>d) Weather conditions at the time of the complaint (as far as practicable);</p> <p>e) Steps taken to investigate the issue which caused the complaint; and</p> <p>f) Steps taken to address the issue which caused the complaint.</p> <p>Complaints received shall be forwarded to the Manager within 24 hours of receiving the complaint.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.2 During Construction Notification Requirements</p>
<p>41</p> <p>a)</p> <p>b)</p> <p>c)</p> <p>d)</p> <p>Note 1:</p>	<p>The consent holder shall notify the Greater Wellington Regional Council immediately if any contaminants (including sediment) are released from the site and enter any watercourse, due to any of the following:</p> <p>Discharges from un stabilised areas that are not treated by sediment control measures or devices required under this consent;</p> <p>Failure of any erosion and sediment control measure or device;</p> <p>Discharge of a hazardous substance, including fuel or cement; or</p> <p>Any other incident which either directly or indirectly causes, or is likely to cause, adverse ecological effects in the receiving environment.</p> <p>The Wellington Regional Council may also investigate any incidents to determine if a breach of this consent or the Resource Management Act 1991 has occurred and may also undertake enforcement action depending on the circumstances.</p>	<p>Construction Environmental Management Plan (CEMP)</p> <p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>9. Incident and Emergency Response</p> <p>7.1.2 During Construction Notification Requirements</p>

<p>Note 2:</p>	<p>Notifications can be emailed to notifications@gw.govt.nz and/or to GWRC's Environment hotline 0800 496 734. Please include the consent reference WGN180065 and the name and phone number of a contact person responsible for the works.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.2 During Construction Notification Requirements</p>
<p>42</p> <p>a)</p> <p>b)</p> <p>c)</p>	<p>If any of the incidents specified in condition (41) occur, the consent holder shall:</p> <p>Establish control measures, where these have failed or have not been implemented in accordance with the relevant management plan, as soon as practicable;</p> <p>Liaise with the Manager to establish what remediation or rehabilitation is required and whether such remediation or rehabilitation is practical to implement; and</p> <p>Carry out any remedial action as required by and to the satisfaction of the Manager.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>9 Incident and Emergency Response</p>
<p>43</p> <p>a)</p> <p>b)</p> <p>c)</p> <p>d)</p> <p>e)</p> <p>f)</p>	<p>The consent holder shall maintain a permanent record of any incidents that occur on the site which result, or could result, in any adverse effects on the environment (air, water, soil) beyond the boundary of the site. The record shall include:</p> <p>Date and time of the incident;</p> <p>The type and nature of the incident and the cause of the release of contaminants;</p> <p>Weather conditions at the time of the incident (as far as practicable);</p> <p>Measures taken to remedy the effects of the incident; and</p> <p>Measures put in place to prevent the incident from re-occurring.</p> <p>This record shall be maintained at the work site, shall be made available to officers of the Wellington Regional Council (upon request), and shall be forwarded to the Manager (if requested) within seven working days of the incident occurring.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>9 Incident and Emergency Response</p>

Review condition	Associated Management Plan	Specific Section of the Management Plan
<p>44 Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, within one month of each anniversary of the commencement of this consent, for any of the following reasons:</p> <p>a) To review the adequacy of any plan and/or monitoring requirements, and if necessary, amend these requirements outlined in this consent</p> <p>b) To deal with any adverse effects on the environment that may arise from the exercise of this consent; and which are appropriate to deal with at a later stage</p> <p>c) To require the implementation of Best Practicable Options, in respect to new methodologies for the undertaking of the works to avoid, remedy or mitigate any significant adverse effect on the environment arising from the works</p> <p>d) To enable consistency with any relevant Regional Plans or any National Environmental Standards or Regulations</p> <p>The review of conditions shall allow for the deletion or amendment of conditions of this consent; and the addition of such new conditions as are shown to be necessary to avoid, remedy or mitigate any significant adverse effects on the environment.</p> <p>Note: For the purposes of this condition the “exercise of the consent” is deemed to be once the works authorised by this consent have commenced.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	

45	<p>The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.</p> <p>Note: Additional resource consents from your local council may be required to undertake this proposal. We advise you to contact the Wellington City Council prior to commencing works.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>
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The extra resource consent issued by GWRC to address the additional scope of works associated the Waitangi Stream culvert inlet extension is WGN200317. To efficiently locate where in either this document, the CEMP, or the appropriate sub-management plan this particular GWRC consent condition, is discussed consult Table 4AA below. The middle column will indicate which management plan should be consulted, and the far right-hand-side column will confirm the section(s) to refer to.

Table 4AA: GWRC Consent Conditions Reference Guide – Supplementary Consent WGN200317.

GWRC Consent WGN200317			
	Standard conditions	Associated Management Plan	Specific Section of the Management Plan
1	<p>The location, design, and implementation of the streamworks shall be in general accordance with:</p> <ul style="list-style-type: none"> I. the consent application and its associated plans and documents lodged with the Wellington Regional Council on 7 May 2020; and II. the further information relating to the sizing of the riprap, the design of the culvert, and the NZTM coordinates, received on 29 June 2020. 	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act</p>	not applicable

	<p>Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.</p> <p>Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.</p>	1991.	
2	The consent holder shall ensure that a copy of this consent and all documents and plans referred to in this consent, are kept on site at all times and presented to any Wellington Regional Council officer on request.	Construction Environmental Management Plan (CEMP)	8. Training and Education
3	<p>The Manager, Environmental Regulation, Wellington Regional Council, shall be given a minimum of two working days (48 hours) notice prior to the works commencing.</p> <p>Note: Notifications can be emailed to notifications@gw.govt.nz. Please include the consent reference WGN200317 and the name and number of a contact person responsible for the works.</p>	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
Construction Methodology			
4	<p>The consent holder shall undertake the works in accordance with the Construction Methodology provided with the consent application.</p> <p>If any changes are proposed to the Construction Methodology, the consent holder shall provide an updated plan that has been prepared in consultation with the contractor undertaking the works to the Manager, Environmental Regulation, Wellington Regional Council prior to the works commencing. No works shall commence until the consent holder has received written notification that the updated Construction Methodology is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.</p> <p>Note: The updated construction methodology can be emailed to notifications@gw.govt.nz</p>	Construction Environmental Management Plan (CEMP)	7.11.1 Construction Methodology – Waitangi Stream Culvert Inlet.
5	<p>The consent holder shall prepare, in consultation with the contractors and engineers undertaking the works, a final Erosion and Sediment Control Plan (ESCP).</p> <p>The ESCP shall be submitted to the Manager, Environmental Regulation, Wellington</p>	Erosion & Sediment Control Plan (ESCP)	Entire Plan

	<p>Regional Council for certification at least 20 working days prior to any works starting onsite.</p> <p>The ESCP must be prepared in general accordance with the current Erosion and Sediment Control Guidelines for the Wellington Region and include, but not be limited to, the following:</p>		
	<ul style="list-style-type: none"> Responsibilities and contact details of all parties responsible for the operation and maintenance of the erosion and sediment control structures. 	Erosion & Sediment Control Plan (ESCP)	Section 5, Environmental Management Personnel.
	<ul style="list-style-type: none"> A description of the methods used to dam and divert the stream, to put erosion and sediment control measures in place, and to rehabilitate the site. This does not need to include information about the native planting as this has already been well-detailed. 	Erosion & Sediment Control Plan (ESCP)	Section 12.3. Dam and diversion methodology
	<ul style="list-style-type: none"> Details of all principles, procedures and practices that will be implemented to undertake erosion and sediment control and to minimise the potential for sediment discharge. 	Erosion & Sediment Control Plan (ESCP)	Section 8.1. Design Philosophy
	<ul style="list-style-type: none"> The design criteria and dimensions of all key erosion and sediment control measures. 	Erosion & Sediment Control Plan (ESCP)	Section 3.4. ESC Guidelines and Appendix 1 (SSESCPs)
	<ul style="list-style-type: none"> A plan that clearly identifies the locations where erosion and sediment control measures will be installed. This will include locations of the equipment used to divert the stream. 	Erosion & Sediment Control Plan (ESCP)	Appendix 1 (SSESCPs)
Temporary diversions within the channel			
6	<p>The consent holder shall ensure a diversion of water is in place prior to any excavation or construction works commencing onsite, to separate all construction activities from flowing water.</p> <p>The temporary diversion shall remain in place for the duration of the works and shall not be removed and the stream flow reinstated, until the construction of the stormwater inlet has been completed.</p>	Erosion & Sediment Control Plan (ESCP)	Section 12.3. Dam and diversion methodology
Reducing effects on water quality			
7	<p>The consent holder shall take all steps to minimise sedimentation and increased turbidity of the Waitangi Stream during the works, including but not limited to:</p> <ol style="list-style-type: none"> Completing all works in the minimum time practicable; Undertaking works in dry weather conditions, as far as practicable; Avoiding the placement of 	Erosion & Sediment Control Plan (ESCP)	Section 12.3. Dam and diversion methodology

	<p>construction or excavated material in the wetted channel;</p> <p>d) Separating all construction activities from flowing water; and</p> <p>e) Installing appropriate sediment control and treatment measures (e.g., silt fences).</p>		
8	<p>The consent holder shall ensure that:</p> <p>a) All machinery is thoroughly cleaned of vegetation (e.g., weeds), seeds or contaminants at least 10 metres away from any watercourse, water flow channel or stormwater system, prior to entering the site;</p>	Erosion & Sediment Control Plan (ESCP)	Section 12.1. Construction machinery hygiene
	<p>b) All machinery shall be regularly maintained in such a manner to ensure no contaminants (including but not limited to oil, petrol, diesel, hydraulic fluid) shall be released into water, or to land where it may enter water, from equipment being used for the works;</p>	Construction Environmental Management Plan (CEMP)	Section 7.10 Hazardous Substances Management
	<p>c) All contaminant storage or re-fuelling areas are bunded or contained in such a manner so as to prevent the discharge of contaminants to water or to land where it may enter water; and</p>	Construction Environmental Management Plan (CEMP)	Section 7.10 Hazardous Substances Management
	<p>d) No machinery is cleaned, stored or refuelled within 10 metres of any waterbody, water flow channel or stormwater system.</p>	Construction Environmental Management Plan (CEMP)	Section 7.10 Hazardous Substances Management
9.	<p>The consent holder shall ensure that all vehicles, mobile plant, or machinery is inspected for the presence of invasive or pest aquatic plants including didymo. In the event that an invasive or pest aquatic plant or didymo is discovered upon the vehicle, mobile plant, or machinery it shall be cleaned to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.</p> <p>Note: Note: The machinery shall be cleaned in accordance with the Ministry for Primary Industries cleaning methods which can be found at http://www.mpi.govt.nz/travel-and-recreation/outdoor-activities/check-clean-dry/.</p>	Erosion & Sediment Control Plan (ESCP)	Section 12.1 Construction machinery hygiene
10.	<p>In the event of a spill of fuel, hydraulic fluid, or other potential liquid contaminants, immediate steps shall be taken to contain the spilt contaminant. The spilt contaminants and any material used to contain it shall be removed from the site and disposed of at an authorised landfill. The consent holder shall also immediately notify the Manager, Environmental Regulation, Wellington Regional Council of the spill and actions to be taken.</p>	Construction Environmental Management Plan (CEMP)	Section 7.10 Hazardous Substances Management

11.	The consent holder shall ensure that no dry cement product, unset concrete, concrete wash water or any water contaminated with concrete enters the flowing channel of the Waitangi Stream or any water during, or as a result of, the works.	Construction Environmental Management Plan (CEMP)	Section 7.10 Hazardous Substances Management
12.	Upon completion of the works all unused material from the works shall be immediately removed from the bed and banks of the stream and disposed of in an appropriate manner that is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.	Erosion & Sediment Control Plan (ESCP)	Section 12.3.3. Staging of Works
Freshwater fish			
13.	Prior to commencing works, the consent holder shall arrange for a suitably qualified freshwater ecologist to undertake fish rescue in accordance with the Wellington Regional Council document "Fish Rescue Protocol for Minor Streamworks" (see Appendix A of the consent) using methods deemed appropriate by the freshwater ecologist.	Erosion & Sediment Control Plan (ESCP)	Section 12.3.3. Staging of Works
14.	The consent holder shall arrange for a suitably qualified and experienced freshwater ecologist to inspect and certify that the design of the culvert inlet and rock rip rap to confirm that fish passage has been provided for. The consent holder shall provide a copy of this certification to the Manager, Environmental Regulation, Wellington Regional Council, within 10 working days of the works being complete. Note: The certification must be emailed to notifications@gw.govt.nz. Please include consent reference WGN200317.	Erosion & Sediment Control Plan (ESCP)	Section 12.5. Certification by freshwater ecologist.
15.	The consent holder shall ensure that fish passage is maintained through the site following the completion of works.	Erosion & Sediment Control Plan (ESCP)	Section 12.3.2. Methodology for temporary diversion of Waitangi Stream
Erosion and scour			
16.	Any areas of the stream banks that are cut or disturbed as a result of the works shall be stabilised and grassed/replanted as soon as practicable, following completion of the works, to prevent erosion and scour. These works shall be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Note: For the purposes of this condition, "stabilised" in relation to any site or area means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, colluvium, grassing, mulch, or another method to the reasonable satisfaction of the Manager, Environmental Regulation, Wellington Regional Council and as specified in	Erosion & Sediment Control Plan (ESCP)	Section 12.4 Rehabilitation of the construction area

	Wellington Regional Council's Erosion and Sediment Control Guidelines for the Wellington Region, September 2002. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Manager, Environmental Regulation, Wellington Regional Council, an 80% vegetative cover has been established.		
Offset planting			
17	<p>During the planting season following the completion of works, or other timeframe as agreed by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall plant an area of approximately 30m length x 3m width alongside both sides of the Waitangi Stream in native vegetation. This native tree planting shall be in accordance with the documents provided to the Wellington Regional Council on 7 May 2020 with the consent application and approved by Wellington City Council, particularly: "Omāroro Reservoir Technical Specification –Waitangi Stream Mitigation Planting" and the Memorandum of 1 April 2020 entitled "Stormwater Inlet Ecology Memo Part 2".</p> <p>Any amendment proposed to the "Omāroro Reservoir Technical Specification – Waitangi Stream Mitigation Planting 16 April 2020" shall be submitted for certification, in writing, to the Manager, Environmental Regulation, Wellington Regional Council.</p>	<p>Landscape & Ecological Management Plan (LEMP)</p> <p>Landscape & Ecological Management Plan (LEMP)</p> <p>Landscape & Ecological Management Plan (LEMP)</p>	<p>Section 7.6.1 Offset Planting Works</p> <p>Appendix 17 – Omāroro Reservoir Technical Specification – Waitangi Stream Mitigation Planting</p> <p>Appendix 18 – Stormwater Inlet Ecology Memo Part 2</p>
18.	The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, when the planting as required by condition 16 of this consent is complete.	Construction Environmental Management Plan (CEMP)	Section 7.1.3. Post Construction Notification Requirements
19.	<p>All offset planting must be maintained for at least 5 years or until 80% canopy cover over the planted area is achieved.</p> <p>Note: Canopy cover is defined as the percentage of ground area covered by planted native vegetation as viewed from vertically above the planted area. It includes all plant tiers (that is, it may be a mix of low growing species plus tree and shrub species).</p>	Landscape & Ecological Management Plan (LEMP)	Section 7.6.1 Offset Planting Works
Maintenance of works			
20.	The works shall remain the responsibility of the consent holder and shall be maintained to the satisfaction of the Manager, Environmental Regulation, Wellington	Landscape & Ecological Management Plan (LEMP)	Section 7.5.4 Reinstatement and Offset Maintenance

<p>Regional Council so that:</p> <ol style="list-style-type: none"> a) Any erosion, scour or instability of the stream bed or banks that is attributable to the works carried out as part of this consent is remedied by the consent holder; and b) Any adverse effects caused by the presence of the structure that limit or restrict fish passage shall be rectified by the consent holder; and c) The structural integrity of the stormwater inlet remains sound in the opinion of a Professional Chartered Engineer. <p>Note: Maintenance does not include any works outside of the scope of the application. Any additional works (including structures, reshaping or disturbance to the bed of the watercourse) following completion of the construction works as proposed in the application, may require further resource consents.</p>		
Photographic record		
<p>21. The consent holder shall compile photographic records of the area of works authorised by this consent. These photographic records shall include photographs of the following items:</p> <ol style="list-style-type: none"> a) The location of the proposed works: incorporating the works area and the stretches of the Waitangi Stream that may be affected by the works (i.e., prior to the works commencing); b) The site during the works: incorporating the works area and stretches of the Waitangi Stream identified in (a); and c) The site immediately upon the completion of the works (within one week): incorporating the works area and stretches of the Waitangi Stream identified in (a). <p>The photographic record of items identified in (a), (b) and (c) shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council as soon as possible but within one week of the photographs being taken.</p> <p>All submitted photographs shall include:</p> <ul style="list-style-type: none"> • The date the photographs were taken • The time the photographs were taken • The site location (e.g., map reference, address) of where the photograph was taken, and • A description of what aspect of the works the photograph relates to. 	<p>Erosion & Sediment Control Plan (ESCP)</p>	<p>Section 12.2. Photographic record keeping</p>

<p>Note 1</p> <p>Note 2</p>	<p>The photographs and details shall be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.</p> <p>The photographic record should demonstrate compliance with the conditions of this consent.</p> <p>Photographic records, i.e., electronic picture files from digital cameras can be emailed to notifications@gw.govt.nz. Please include the consent number WGN200317 date and time photographs were taken and a description of the site location (e.g., map reference, address).</p>		
Complaints			
<p>22.</p>	<p>The consent holder shall maintain a permanent record of any complaints received alleging adverse effects from or related to the works. This record shall include:</p> <ul style="list-style-type: none"> • The name and address of the complainant (if provided); • The date and time that the complaint was received; • Details of the alleged event; • Weather conditions at the time of the complaint; and • Any measures taken to mitigate/remedy the cause of the complaint. <p>This record shall be made available to the Manager, Environmental Regulation, Wellington Regional Council, on request.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>Section 10. Complaints Management</p>
Discovery of artefacts			
<p>23.</p>	<p>If kōiwi, taonga, wāhi tapu or other archaeological material is discovered in any area during the works, work shall immediately cease and the consent holder shall notify Greater Wellington Regional Council, Port Nicholson Block Trust, Te Rūnanga o Toa Rangatira and Heritage New Zealand as soon as possible but within twenty-four hours. If human remains are found, the New Zealand Police shall also be contacted. The consent holder shall allow the above parties to inspect the site and, in consultation with them, identify what should occur before work resumes.</p> <p>Notification must be emailed to:</p> <ul style="list-style-type: none"> • Greater Wellington Regional Council, notifications@gw.govt.nz • Heritage New Zealand, information@heritage.org.nz • Port Nicholson Block Settlement Trust, taiao@portnicholson.org.nz • Te Rūnanga o Toa Rangatira Inc, resourcemanagement@ngatitoea.iwi.nz <p>Heritage New Zealand must also be contacted by phone on 04 472 4341 (National Office).</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>Section 7.4. Archaeological Management</p>

<p>No works may resume on site until the consent holder has received written notification that consultation with the parties identified above has been undertaken to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.</p> <p>Note: Evidence of archaeological material may include burnt stones, charcoal, rubbish heaps, shell, bone, old building foundations, artefacts and human burials.</p>		
Removal of structure		
<p>24. If the structure is no longer required, and/or is not being maintained in accordance with condition 20 of this consent or sustains irreparable damage then the structure shall be removed, within a timeframe that is to the satisfaction of the Manager, Environmental Regulation.</p> <p>Note: Rule 33 of the Regional Freshwater Plan, and rule R118 of the proposed Natural Resources Plan, provides for the removal of structures as a permitted activity provided certain conditions are met. Prior to the removal of the structure the consent holder must ascertain whether the removal of the structure can comply with the conditions of Rule 33 and Rule R118. If not, a resource consent will be required from the Wellington Regional Council.</p>	<p>This condition has no immediate relevance to construction related activities covered by the CEMP as it is an operation phase condition associated with the stormwater asset.</p>	
Review condition		
<p>25. The Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, at any time for the duration of this consent, for the following purposes:</p> <ul style="list-style-type: none"> a) To review the adequacy of any report and/or monitoring requirements, and if necessary, amend these requirements outlined in this consent b) To deal with any adverse effects on the environment that may arise from the exercise of this consent; and which are appropriate to deal with at a later stage c) To enable consistency with any relevant Regional Plans or any National Environmental Standards or Regulations <p>The review of conditions shall allow for the deletion or amendment of conditions of this consent; and the addition of such new</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>Section 12.4 Management Review.</p>

	conditions as are shown to be necessary to avoid, remedy or mitigate any significant adverse effects on the environment.		
Notes			
a.	A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.		
b.	The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.		
c.	Please note that the granting of this resource consent does not provide you with the right to access private properties. Landowner entry requirements need to be gained and be in place before you may exercise this consent.		

3.2. Reference Guide to Management Plans and Sections dealing with WCC Designation Conditions

To efficiently locate where in either this document, the CEMP, or the appropriate sub-management plan a particular WCC Designation condition, is discussed consult Table 4B below. The middle column will indicate which management plan should be consulted, and the far right-hand-side column will confirm the section(s) to refer to.

Table 4B: WCC Designation Conditions Reference Guide.

WCC Designation 135		
General conditions and administration	Associated Management Plan	Specific Section of the Management Plan
DC.1		
a)	Except as modified by the conditions below, and subject to final design and Outline Plan(s), the Project shall be undertaken in general accordance with the information provided by the Requiring Authority in the Notice of Requirement and supporting documents being:	Not Applicable
	No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the	

<ul style="list-style-type: none"> i) AEE Report, dated 15 September 2017 ii) Notice of Requirement Update, dated 29 January 2018 iii) AEE Report (alteration) dated 24 April 2020 b) Where there is conflict between the documents listed above and these designation conditions, these conditions shall prevail.² 	<p>Resource Management Act 1991.</p>	
DC.2		
<p>As soon as reasonably practicable following the completion of construction of the Project, the Requiring Authority shall:</p> <ul style="list-style-type: none"> a) Review the area designated for the Project b) Identify any areas of designated land that are no longer necessary for the on-going operation or maintenance of the Project or for ongoing mitigation measures c) Give notice to WCC in accordance with section 182 of the RMA seeking the removal of those parts of the designation identified in DC.2 b) above 	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.3. Post Construction Notification Requirements.</p>
DC.3		
<p>The designation shall lapse if not given effect to within 10 years from the date on which it is included in the District Plan under section 175 of the RMA</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
DC.4		
<p>The Requiring Authority shall submit to the Council's Compliance Monitoring Officer (CMO) at least 2 months prior to commencement of construction, a detailed programme outlining:</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>

Contract Ref: 771.00040

² Conflict of conditions -Where there is any conflict between any of the Designation , Resource Consent, or Licence conditions the more restrictive or stringent condition set shall prevail.

a)	The proposed staging of the works		
b)	The anticipated submission dates of the management plans and outline plans required by these conditions		
DC.5			
Note:	<p>Prior to commencing any construction works, the Requiring Authority shall arrange and conduct a pre-construction site meeting with the contractor (at a minimum the Project Manager and Site Manager) undertaking the works and invite, with a minimum of 10 working days' notice, WCC's CMO and any other key WCC representatives determined by the CMO.</p> <p>In the case that any of the invited parties, other than the representative of the Requiring Authority and the contractor, do not attend this meeting, the Requiring Authority will have complied with this condition, provided the invitation requirement is met.</p>	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
DC.6			
	An Outline Plan/s shall be submitted to the Territorial Authority for each stage of works, unless a waiver for this requirement is provided in writing by the WCC Resource Consents Team.	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements

Community liaison		Associated Management Plan	Specific Section of the Management Plan
DC.7			
	<p>Prior to commencement of construction, the Requiring Authority shall appoint an appropriately qualified Community Liaison Person (CLP) in accordance with the following provisions:</p>	Construction Environmental Management Plan (CEMP)	5.1.1 Community Liaison Person
a)	The CLP shall be appointed in consultation with the CMO (the CMO may consult with other parties within Wellington City Council as appropriate).		
b)	Notwithstanding conditions DC7(c) and (d), the CLP shall be responsible for proactively engaging with stakeholders and the community throughout the construction phase of the reservoir, including by arranging a community BBQ with residents, Project staff and contractors prior to the commencement of construction.		
c)	Where a Community Reference Group (CRG) for the Prince of Wales/Omārore reservoir project is established under the Wellington Town Belt Act, the CLP shall:	Construction Environmental Management Plan (CEMP)	5.1.1 Community Liaison Person
(i)	attend CRG meetings, and		

(ii) be responsible for presenting draft management plans to the CRG for feedback, prior to submission to the CMO		
(iii) be responsible for working with the CRG to identify opportunities for the Project to create education opportunities associated with the project.		
d) Contact details of the CLP shall be made readily available to the CMO, other stakeholders and the community surrounding the subject site.	Construction Environmental Management Plan (CEMP)	5. Roles & Responsibilities
e) The CLP shall be engaged until the completion of construction.		
Note: For the avoidance of doubt the CLP shall be an individual person and the Requiring Authority shall be responsible for meeting all costs associated with this role.		

Community Liaison Group	Associated Management Plan	Specific Section of the Management Plan
DC.8 Community Liaison Group Formation		
a) In the event that a CRG for the Prince of Wales/Omāroro reservoir project is not established under the Wellington Town Belt Act, or that it is disestablished prior to completion of construction, the Requiring Authority shall be responsible for the establishment and coordination of an alternative Community Liaison Group (CLG) and shall appoint an independent chairperson for the CLG in consultation with the CMO. b) Where a CRG has not been established, a CLG shall be formed prior to the lodgement of any management plan/s or any outline plan/s. c) Where a CRG was formed but has been disestablished, invitations to establish a CLG shall be sent to prospective CLG members within 1 month, and an establishment meeting held as soon as reasonably practicable.	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group
Community Liaison Group Membership		
d) Where a CLG is required the CLG shall include as a minimum the following parties: (i) A representative from WCC's Compliance Monitoring Team (ii) A representative from WCC's Parks, Sports and Recreation Group (iii) The CLP (iv) The Requiring Authority's Project Manager (v) The Construction/Site Manager (vi) A representative from Mobilise Mount Cook (vii) A representative for Rolleston Street residents	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group

<p>(viii) A single representative for residents for the Hargreaves Street, Westland Road, Salisbury Terrace, Salisbury Avenue and Wright Street areas, and</p> <p>(ix) A single representative for residents above the project site for the Asquith Terrace and Dorking Road areas.</p>		
<p>e) Where a CLG is required the Requiring Authority shall also invite representatives from the following parties to join the membership of the CLG:</p> <p>(i) A Greater Wellington Regional Council Compliance representative</p> <p>(ii) Port Nicholson Block Trust</p> <p>(iii) Te Rūnanga o Toa Rangātira Inc.</p> <p>(iv) A representative from the users of the Scottish Harriers Building</p> <p>(v) A representative from the Friends of the Town Belt</p> <p>(vi) A representative for the local business community</p> <p>(vii) In consultation with WCC's PSR group a representative for sports field users.</p> <p>(viii) A representative from the Papawai Reserve Group.</p>		
Community Liaison Group Purpose		
<p>f) Where a CLG is required the purpose of the CLG will be as follows:</p> <p>(i) To provide a forum for community and stakeholder involvement through which any issues of community interest or concern can be raised and responded to in relation to the construction of the reservoir.</p> <p>(ii) To provide a forum for the Requiring Authority to inform the CLG and its members about progress with management plans and to provide an opportunity for feedback on any draft management plan or outline plan prior to submission to the CMO or WCC.</p> <p>(iii) To consider issues relating to compliance with designation conditions, including management plans and outline plans.</p> <p>(iv) To consider education opportunities associated with the project.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>5.1.2 Community Liaison Group</p>
Community Liaison Group Meetings		
<p>g) Where a CLG is required the CLG meetings shall be held at times and locations that maximise representation and attendance.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>5.1.2 Community Liaison Group</p>
Community Liaison Group Costs		

h) The Requiring Authority shall be responsible for any direct costs in running the CLG and CLG meetings.	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group
Community Liaison Group Attendance		
i) Where a CLG is required the Requiring Authority shall not be in breach of conditions DC.8a)-g) and j), if any one or more of the CLG parties either do not wish to be members of the CLG or do not attend particular meetings.	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group
Community Liaison Group Terms of Reference		
j) Where a CLG is required the CLG shall formulate its terms of reference that will include: (i) Defined roles and responsibilities of its members to achieve the purpose of the CLG (ii) Procedural matters for the running and recording of any meetings including recommendations from the CLG to the Requiring Authority relating to draft management plan/s and outline plan/s (iii) Determining the frequency of meetings.	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group
Community Liaison Group Dis-establishment		
k) Where a CLG is required the CLG shall be dis-established following the completion of construction and the expiry of any related defect liability and landscape/planting maintenance period associated with the Project.	Construction Environmental Management Plan (CEMP)	5.1.2 Community Liaison Group

Complaints	Associated Management Plan	Specific Section of the Management Plan
DC.9		
a) At all times during the Works, the Requiring Authority shall maintain a permanent register of any complaints received alleging adverse effects from, or related to, the Works. As far as practicable the register shall include: i) The name and address (where this has been provided) of the complainant ii) The nature of the complaint iii) Location, date and time of the complaint and also of the alleged event iv) Weather conditions at the time of the event and including wind direction and approximate wind strength if the complaint relates to air quality or noise v) The outcome of the Requiring Authority's investigation into the complaint vi) Measures taken to respond to the complaint	Construction Environmental Management Plan (CEMP)	10. Complaints Management

vii)	Any other activities in the area, unrelated to the construction, which may have contributed to the complaint (such as non-Project construction, fires, traffic accidents or unusually dusty conditions generally)		
b)	The Requiring Authority shall:		
i)	Acknowledge the complaint within 2 Working Days		
ii)	Promptly investigate, identify the urgency associated with the complaint and communicate that to the complainant		
iii)	Take reasonable steps to remedy or mitigate the matters giving rise to the complaint if there are reasonable grounds for the complaint within 10 Working Days of receiving the complaint or such sooner time as may be reasonably necessary in the circumstances		
iv)	Maintain a record of its responses and any remedial actions undertaken		
v)	This record shall be maintained on site and shall be made available to the CMO and GWRC upon request		
DC.10			
	The complaints process outlined in condition DC.9 shall continue until the completion of construction. Any complaints received after this period shall be managed by the Requiring Authority in accordance with its standard complaints procedures		

Management Plans		Associated Management Plan	Specific Section of the Management Plan
DC.11			
a)	The following Management Plans shall be submitted to the CMO for certification either at the same time or post-acceptance of outline plans associated with the construction of the Omāroro Reservoir:	Construction Environmental Management Plan (CEMP)	1.2 Management Plan Consolidation 2.4. Commencement of Construction Activities
i)	Construction Management Plan		
ii)	Earthworks Management Plan		
iii)	Construction Traffic Management Plan		
iv)	Site Specific Traffic Management Plan		
v)	Construction Noise and Vibration Management Plan		
vi)	Landscape and Ecology Management Plan		
vii)	Playing Fields Management Plan		
b)	Works must not commence until certification of the management plans is received in writing	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities

c)	All construction of the Project shall be carried out in accordance with the certified management plans required by these conditions	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
d)	The management plans provide the overarching principles, methodologies, and procedures for managing the effects of the Works to achieve the environmental outcomes and performance standards required by these conditions	Construction Environmental Management Plan (CEMP)	1.1 Purpose
e)	The management plans apply to the entire Project (including where it is constructed in Stages) and, for some matters, are sufficient to address construction management without the need for more specific plans. For other matters, there is a need for site-specific plans to provide the necessary level of detail to address requirements within each of the Stages		
f)	The management plans shall be in general accordance with any draft management plan included as part of the AEE		
g)	A copy of the certified management plans shall be made publicly accessible on the Requiring Authority's website	Construction Environmental Management Plan (CEMP)	1.1 Purpose
h)	During the construction period, a copy of all certified management plans shall be kept on site at all times and be made available to the CMO upon request.	Construction Environmental Management Plan (CEMP)	1.1 Purpose
Note:	Certification of the management plans shall be on the basis that they are consistent with the conditions of the designation. The CMO will consult with relevant Council staff/consultants in determining the appropriateness of the management plans, and in order to provide any comments back to the Requiring Authority.		
DC.12			
	The Requiring Authority shall submit draft copies of all management plans (as required by condition DC.11) to the CMO for comment at least 20 Working Days prior to the management plans being lodged for certification. If an Outline Plan has not been submitted prior to this occurring, or an outline plan waiver granted, a draft Outline Plan shall also be provided.	Construction Environmental Management Plan (CEMP)	2.4. Commencement of Construction Activities
DC.13			

<p>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 CMO. 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. Further details shall be submitted to the CMO for certification prior to construction commencing in the relevant Stage (and work on each stage shall not commence until the relevant management plans are certified).</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
DC.14		
<p>The Requiring Authority may request amendments to any of the management plans required by these conditions by submitting the amendments in writing to the CMO for certification at least 10 Working Days prior to any changes taking effect. Any changes to management plans shall remain consistent with the overall intent of the management plan and relevant conditions and achieve the outcomes required by these conditions. The changes sought shall not be implemented until the consent holder has received the CMO written certification for the relevant management plan(s).</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>3.6 Management Plan Amendment and Review</p>
DC.15		
<p>Where any condition requires that a management plan or other plan be certified, if the Plan has not been certified within 3 months of lodgement, or with the agreement of the CMO, the Requiring Authority may elect as an alternative to submit the management plan to WCC Resource Consents Team as an Outline Plan in accordance with section 176A of the RMA, and compliance with section 176A shall be deemed to satisfy the certification requirement.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	

Construction Management Plan		Associated Management Plan	Specific Section of the Management Plan
DC.16			
a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a CMP to the CMO for certification	Construction Environmental Management Plan (CEMP)	2.4. Commencement of Construction Activities
b)	The CMP shall address the matters in condition DC.17		
DC.17			
a)	The CMP shall include details of: Construction methodologies and construction timeframes, including staging	Construction Environmental Management Plan (CEMP)	2.2. Schedule of Construction Activities
b)	Normal working hours, shall be:	Construction Environmental Management Plan (CEMP)	2.3 Hours of Operation
i)	For on-site construction activities: 7:30am to 6.00pm Monday to Saturday (excluding public holidays)		
ii)	For earthworks related heavy vehicle movements on public roads: 9:00am -6:00pm Monday to Friday (excluding public holidays)		
iii)	For all non-earthwork related heavy vehicle movements on public roads: 9:00am -6:00pm Monday to Friday (excluding public holidays)		
c)	An exemption process for approval by the CMO, for any construction work and specialised heavy vehicle movements that cannot be undertaken during normal working hours.		
d)	Staff and contractors' responsibilities	Construction Environmental Management Plan (CEMP)	5.1. Construction Team
e)	Public safety	Construction Environmental Management Plan (CEMP)	7.8 Safety
f)	Training requirements for employees, sub-contractors and visitors	Construction Environmental Management Plan (CEMP)	8 Training & Education
g)	Environmental incident and emergency management	Construction Environmental Management Plan (CEMP)	9 Incident & Emergency Response

h)	Communication and interface procedures	Construction Environmental Management Plan (CEMP)	7.1 Notifications to external Regulatory Stakeholders
i)	Complaints management (in accordance with condition DC.9)	Construction Environmental Management Plan (CEMP)	10. Complaints Management
j)	Compliance monitoring	Construction Environmental Management Plan (CEMP)	12.1 Compliance Monitoring
k)	Environmental reporting	Construction Environmental Management Plan (CEMP)	12 Monitoring & Review 7.1.2 During-construction Notification Requirements
l)	Corrective action	Construction Environmental Management Plan (CEMP)	12.3 Corrective & Preventative Actions
m)	Site inspection and environmental auditing procedures	Construction Environmental Management Plan (CEMP)	12.2 Audits and Inspections
n)	Contact details for the person in charge of the works	Construction Environmental Management Plan (CEMP)	5 Roles & Responsibility
o)	Contact details for the CLP	Construction Environmental Management Plan (CEMP)	5 Roles & Responsibility

Earthworks Management Plan		Associated Management Plan	Specific Section of the Management Plan
DC.18			
a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit an Earthworks Management Plan (EMP) to the CMO for certification	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
b)	The EMP shall address the matters in condition DC.19		
DC.19			
	The EMP must include (but not be limited to) the following matters:		

a)	An illustrated plan that records the key features of the EMP	Erosion & Sediment Control Plan (ESCP)	Appendix 1
b)	A description of measures to be used to prevent and minimise adverse effects associated with:		
i)	dust	Erosion & Sediment Control Plan (ESCP)	9 Dust Management
ii)	sediment that may track onto the road network	Erosion & Sediment Control Plan (ESCP)	9.4.6 Entranceways
iii)	sediment that may enter the stormwater system (including Papawai Stream and the Waitangi Tributary), including secondary sediment and erosion protection measures that will be provided.	Erosion & Sediment Control Plan (ESCP)	8.4.9 Sediment Retention Ponds 10 Dewatering Procedure
c)	The methodology to minimise the surface area of un-stabilised earthworks, including stockpiles. The purpose is to decrease the potential for erosion related dust and sediment generation.	Erosion & Sediment Control Plan (ESCP)	9.4.5 Stockpile Management
d)	Measures to ensure temporary and permanent excavations, fill areas, and stockpiles remain stable.	Erosion & Sediment Control Plan (ESCP)	7.4 Stability
e)	Evidence shall be provided with the EMP demonstrating that measures in condition DC.19 d) have been peer reviewed by a Geotechnical Professional, from a second geotechnical consultancy, and confirming that they are in accordance with current industry best practice and the geotechnical assessment specified in condition DC.20.	Erosion & Sediment Control Plan (ESCP)	7.4 Stability
f)	A minimum 10m setback from stockpiles to the northern and eastern boundary of the upper field and the eastern boundary of the lower field unless otherwise recommended in the peer reviewed geotechnical report required by condition DC.20	Erosion & Sediment Control Plan (ESCP)	9.4.5 Stockpile Management
g)	Measures to minimise the visual effect of stockpiles through hydro-seeding or other methods where the stockpile will be undisturbed for a period of longer than 2 months	Erosion & Sediment Control Plan (ESCP)	9.4.5 Stockpile Management
h)	Nomination of a site person responsible for the implementation of the EMP.	Construction Environmental Management Plan (CEMP)	5.1 Construction Team

Note:	Condition 19 (b)(iii) is intended to be given effect to through an Erosion and Sediment control plan that is required as a condition of GWRC's consent ref WGN180065 [35008], [35009], [35010]. It is expected that the ESCP will detail primary and secondary sediment and erosion protection measures to protect the Papawai Stream and the Waitangi Stream tributary. The ESCP will form part of the EMP.	Erosion & Sediment Control Plan (ESCP)	8.1 Design Philosophy 8.2 Treatment Train Approach
DC.20			
a)	A geotechnical assessment of the final detailed design shall be prepared by a suitably qualified Geotechnical Professional. The assessment shall review the geotechnical hazards and risks associated with:	Erosion & Sediment Control Plan (ESCP)	7.4 Stability
i)	Stability of existing banks or retaining walls located below the playing fields		
ii)	Stability of the roadway between the playing fields		
iii)	Differential settlement and potential associated erosion of the proposed fill		
iv)	Stability of proposed fill covering the reservoir and existing slopes to the south east and north of the reservoir		
v)	The conceptual design for the tunnel excavation and access stability		
b)	The geotechnical report shall be peer reviewed by a Geotechnical Professional from a second geotechnical consultancy, to ensure that the methodology is in accordance with current industry best practice.		
c)	The Requiring Authority shall either implement any recommendations in the peer review, or where any recommendations are not implemented, the Requiring Authority shall explain the reasons why – including the engineering rationale.		
d)	The geotechnical report and the results of the peer review, including any Requiring Authority explanation for not implementing recommendations of the peer review, shall be provided to the CMO at least 15 working days prior to commencement of construction.		
e)	Should building consent be required a copy of the producer statement 'PS4 - Construction Review' for the Dorking St retaining wall and its accompanying documents for structures/buildings required for the stabilisation of earthworks and prepared for the associated building consent process must be provided to the		

	Council's Compliance Monitoring Officer within one month of the structures/buildings being completed		
DC.21	By 6pm every working day earthwork stockpiles shall not exceed the following height limits, measured from the base of each stockpile: a) Upper Playing field- 5.5m in height b) Lower Playing field - 7m in height.	Erosion & Sediment Control Plan (ESCP)	9.4.5 Stockpile Management

Construction Traffic Management Plan		Associated Management Plan	Specific Section of the Management Plan
DC.22			
a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a CTMP to the CMO for certification	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
b)	The CTMP shall address the matters in condition DC.23		
c)	The CTMP shall be prepared in accordance with the version of the New Zealand Transport Agency Code of Practice for Temporary Traffic Management (COPTTM) that applies at the time the CTMP is prepared (where there is a change in the normal operating condition of a road). Where it is not possible to adhere to this standard, the COPTTM's prescribed Engineering Exception Decision (EED) process will be followed, which will include appropriate mitigation measures agreed with the Council's Road Asset Manager	Construction Traffic Management Plan (CTMP)	1.1 Purpose & Scope
d)	Construction shall not commence until the Requiring Authority has received the Manager's written certification of the CTMP	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
DC.23			
	The CTMP shall confirm the procedures, requirements and standards necessary for managing the traffic effects during the Work so that safe, adequate, and convenient routes for local movements by all transport modes are maintained throughout the construction of the Project. In particular, the CTMP should include methods to:	Construction Traffic Management Plan (CTMP)	
a)	Minimise the disruption to users of local travel routes		5.1 Site Access

b)	Minimise the disruption to local residents' parking, including methods to minimise interference between heavy vehicles and cars using the P10 parking outside the dairy on Wallace Street	Construction Traffic Management Plan (CTMP)	5.3 Implementation and operation
c)	Maintain a safe passage for all travel routes, including road and footpath users affected by the Work In particular, the CTMP shall describe:		
i)	Access to the site for heavy vehicles and contractors' vehicles	Construction Traffic Management Plan (CTMP)	5 Temporary Traffic Management
ii)	Details of the 8 temporary car parks for residents on the upper playing field. The Requiring Authority must aim to provide more than 8 car parks where space allows.	Construction Traffic Management Plan (CTMP)	5.3.1.2 Site Specific Traffic Management Plan (SSTMP)
iii)	Access restrictions for bulk earth import and export from the site	Construction Traffic Management Plan (CTMP)	5.3 Implementation and operation
iv)	Mechanisms to coordinate heavy vehicle movements to minimise instances where two construction vehicles meet at the Rolleston Street –Wallace Street Intersection	Construction Traffic Management Plan (CTMP)	5.3.2. Heavy vehicle coordination
DC.24			
a)	Prior to construction commencing the Requiring Authority shall carry out a preconstruction survey of Rolleston Street	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
b)	Prior to construction commencing, the Requiring Authority shall agree in writing with the CMO (who shall consult with the WCC Road Asset Manager) the nature, extent, frequency and any reporting requirements related to the inspections referred to in condition DC.24 c)	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
c)	The Requiring Authority shall carry out inspections of Rolleston Street, the Rolleston/Wallace Street intersection, and Salisbury Terrace to ensure that any potholes and other damage resulting from construction of the Works are identified and fixed as soon as practicable. These inspections will be carried out at the following frequency, unless otherwise agreed in writing by the CMO (who shall consult with the WCC Road Asset Manager):	Construction Traffic Management Plan (CTMP)	5.3 Implementation and operation
i)	Fortnightly during the earthwork excavation period		
ii)	Every two months during the remainder of the construction period, through to the completion of any project defects and liability period.		

d)	The Requiring Authority shall repair pot holes and other damage resulting from the Project to Rolleston Street within 7 days of them being notified to the CLP or CMO. This timeframe may be extended if agreed in writing by the CMO.	Construction Traffic Management Plan (CTMP)	7.2. Road Pavement & Seal Maintenance
e)	Unless otherwise agreed in writing by the CMO (who shall consult with the WCC Road Asset Manager), within 1 month of the completion of construction, the Requiring Authority shall organise with the CMO and Road Asset Manager a joint inspection of Rolleston Street to determine remedial/repaving works required to reinstate the road surface.	Construction Environmental Management Plan (CEMP)	7.1.3 Post-construction Notification Requirements
f)	Any identified remedial works, including repaving, shall be completed within 6 months of the completion of construction, unless otherwise agreed in writing with the WCC Road Asset Manager. The Requiring Authority shall meet all fair and reasonable costs of undertaking this work.	Construction Environmental Management Plan (CEMP)	7.1.3 Post-construction Notification Requirements
DC.25			
	The Requiring Authority shall ensure that any on street parking removed or relocated during construction of the Project is reinstated within 1 month of completion of construction.	Construction Environmental Management Plan (CEMP)	7.1.3 Post-construction Notification Requirements

Site Specific Traffic Management Plan		Associated Management Plan	Specific Section of the Management Plan
DC.26			
a)	The Requiring Authority shall submit SSTMPs to the CMO for certification at least 5 Working Days prior to commencement of the relevant traffic management Works	Construction Traffic Management Plan (CTMP)	5.3.1. Site Specific Traffic Management Plan
b)	The SSTMPs shall address the matters in condition DC. 27		
c)	Traffic management shall not be implemented until the Requiring Authority has received the CMO written certification of the SSTMP		
DC.27			
	SSTMPs shall describe the measures that will be undertaken to manage the traffic effects associated with construction of specific Stages of the Project prior to construction of the relevant Stage(s) of the Project commencing. Each SSTMP must be consistent with, and be implemented in accordance with, the CTMP. In particular, SSTMPs shall describe, where appropriate:	Construction Traffic Management Plan (CTMP)	5.3.1. Site Specific Traffic Management Plan

a)	Temporary traffic management measures required to manage impacts on road users during proposed working hours		
b)	Measures to maintain existing vehicle access to adjacent properties		
c)	Measures to maintain safe and clearly identified pedestrian and cyclist access on roads and footpaths adjacent to the Works		
d)	Any proposed temporary changes in speed limits		
e)	Provision for safe and efficient access of vehicles to and from the construction site		

Construction Noise & Vibration Management Plan		Associated Management Plan	Specific Section of the Management Plan
DC.28			
a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a CNVMP to the CMO for certification	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
b)	The CNVMP shall address the matters in conditions DC.29-31	No specific section of the CNVMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	
c)	The CNVMP shall be prepared in accordance with the requirements of Annexe E to NZS 6803:1999 'Acoustics – Construction Noise'	Construction Noise & Vibration Management Plan (CNVMP)	3.1 Noise
d)	Construction shall not commence until the Requiring Authority has received the CMO's written certification of the CNVMP.	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
e)	The CNVMP must be prepared by (or certified by) a suitably qualified acoustic specialist	Construction Noise & Vibration Management Plan (CNVMP)	2. Background

f)	The CNVMP must be modified at the reasonable request of the CMO to deal with any deficiencies in its operations	Construction Noise & Vibration Management Plan (CNVMP)	13. Updates & Review
DC.29			
	The purpose of the CNVMP shall be to provide methods to manage noise/vibration appropriately for the variety of circumstances within the Project area by outlining the measures, procedures and standards for mitigating the effects of noise and vibration during construction of the Project so they will meet:	Construction Noise & Vibration Management Plan (CNVMP)	2. Background
a)	The noise criteria set out in condition DC. 31, where practicable. Where it is not practicable to achieve those criteria, alternative strategies should be described to achieve the best practicable option to minimise the effects of construction noise on neighbours	Construction Noise & Vibration Management Plan (CNVMP)	8.1. Noise Mitigation
b)	The vibration criteria set out in Table 3 of DIN 4150-3: 1999, where practicable. Where it is not practicable to achieve those criteria, a suitably qualified expert shall be engaged to assess and manage construction vibration during the activity that exceed the criteria	Construction Noise & Vibration Management Plan (CNVMP)	3.2 Vibration
c)	Where on-site construction works and/or heavy vehicle movements need to be undertaken outside of normal working hours (as defined in DC17) night time (8:00pm – 6:30am) work shall be avoided where practicable. Where avoidance is not practicable, the best practicable option shall be adopted to minimise or mitigate noise and vibration effects.	Construction Noise & Vibration Management Plan (CNVMP)	4.1.3 Vehicle Movements
Note:	The intent of DC.29c) is to clarify that activities required to be undertaken outside of normal working hours (defined in DC17) should preferably occur between either 6:30am-7:30am or 6:00pm-8:00pm. Night time activities (8:00pm- 6:30am) should be avoided where practicable.	Construction Noise & Vibration Management Plan (CNVMP)	4.2 Hours of Operation
DC.30			
a)	The CNVMP shall, as a minimum, address the following: Description of the Works, anticipated equipment/processes and their scheduled durations	Construction Noise & Vibration Management Plan (CNVMP)	2.1 Description of Proposed Activity

b)	Hours of operation (in accordance with condition DC.17), including times and days when activities causing noise and/or vibration would occur	Construction Noise & Vibration Management Plan (CNVMP)	4.2 Hours of Operation
c)	The construction noise and vibration criteria for the Project	Construction Noise & Vibration Management Plan (CNVMP)	3. Construction Noise & Vibration
d)	Identification of affected houses and other sensitive locations where noise and vibration criteria apply including a list of Noise Sensitive Receivers (as defined in NZS 6803:1999 'Acoustics – Construction Noise')	Construction Noise & Vibration Management Plan (CNVMP)	5. Sensitive Receivers
e)	Requirements for monitoring road surface condition to minimise noise and vibration from trucks travelling over potholes and uneven surfaces	Construction Noise & Vibration Management Plan (CNVMP)	11. Monitoring
f)	Requirements for building conditions surveys at locations close to activities generating significant vibration, prior to and after completion of construction and processes for repair of any damage caused by the Work	Construction Noise & Vibration Management Plan (CNVMP)	11.3 Building Condition Surveys
g)	Mitigation options including alternative strategies where full compliance with the relevant noise and/or vibration criteria cannot be achieved	Construction Noise & Vibration Management Plan (CNVMP)	9. Mitigation
h)	Methods and frequency for monitoring and reporting on construction noise and vibration	Construction Noise & Vibration Management Plan (CNVMP)	11. Monitoring
i)	Operator training procedures and expected behaviours under the CMP as required by condition DC.17	Construction Environmental Management Plan (CEMP)	8 Training & Education
j)	Consultation and notification procedures	Construction Noise & Vibration Management Plan (CNVMP)	9. Stakeholder Engagement & Complaints
k)	Specify an exemption process for approval by the CMO for any construction work that cannot be undertaken during approved working hours	Construction Environmental Management Plan (CEMP)	2.3.1. Working Hours Exemption
DC.31			

<p>Construction noise shall be measured and assessed in accordance with NZS 6803:1999 'Acoustics – Construction Noise'. The construction noise shall where practicable comply with the following criteria for the purposes of the CNVMP:</p> <table border="1" data-bbox="292 405 880 777"> <thead> <tr> <th>Time of week</th> <th>Time period</th> <th>dB LAeq(15 min)</th> <th>dB LAFmax</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Weekdays</td> <td>0630-0730</td> <td>55</td> <td>75</td> </tr> <tr> <td>0730-1800</td> <td>70</td> <td>85</td> </tr> <tr> <td>1800-2000</td> <td>65</td> <td>80</td> </tr> <tr> <td>2000-0630</td> <td>45</td> <td>75</td> </tr> <tr> <td rowspan="4">Saturdays</td> <td>0630-0730</td> <td>45</td> <td>75</td> </tr> <tr> <td>0730-1800</td> <td>70</td> <td>85</td> </tr> <tr> <td>1800-2000</td> <td>45</td> <td>75</td> </tr> <tr> <td>2000-0630</td> <td>45</td> <td>75</td> </tr> <tr> <td rowspan="4">Sundays and public holidays</td> <td>0630-0730</td> <td>45</td> <td>75</td> </tr> <tr> <td>0730-1800</td> <td>55</td> <td>85</td> </tr> <tr> <td>1800-2000</td> <td>45</td> <td>75</td> </tr> <tr> <td>2000-0630</td> <td>45</td> <td>75</td> </tr> </tbody> </table>	Time of week	Time period	dB LAeq(15 min)	dB LAFmax	Weekdays	0630-0730	55	75	0730-1800	70	85	1800-2000	65	80	2000-0630	45	75	Saturdays	0630-0730	45	75	0730-1800	70	85	1800-2000	45	75	2000-0630	45	75	Sundays and public holidays	0630-0730	45	75	0730-1800	55	85	1800-2000	45	75	2000-0630	45	75	<p>Construction Noise & Vibration Management Plan (CNVMP)</p>	<p>3.1 Noise</p>
Time of week	Time period	dB LAeq(15 min)	dB LAFmax																																										
Weekdays	0630-0730	55	75																																										
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	1800-2000	45	75																																										
	2000-0630	45	75																																										

Landscape & Ecology Management Plan	Associated Management Plan	Specific Section of the Management Plan
DC.32		
<p>a) At least 15 Working Days prior to Commencement of Construction or vegetation removal, the Requiring Authority shall submit a LEMP to the CMO for certification</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>b) The LEMP shall be in general accordance with the Landscape Strategy and Ecological Impact Assessment provided in the AEE and address the matters in condition DC. 33</p>	<p>No specific section of the LEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	

c)	Construction shall not commence until the Requiring Authority has received the CMO written certification of the LEMP.	Construction Environmental Management Plan (CEMP)	2.4 Commencement of Construction Activities
Note:	The LEMP may be part of a combined document including the Playing Fields Management Plan.	Construction Environmental Management Plan (CEMP)	1.2. Management Plan Consolidation
DC.33			
	The purpose of the LEMP is to outline the methods and measures to be implemented prior to the Works, during the construction phase, and for a defined period thereafter to avoid, remedy, and mitigate adverse effects of the construction and the Project on landscape amenity, use and function. The LEMP shall document the permanent mitigation measures, as well as the necessary monitoring and management required to successfully implement those measures during construction and the transition to the Operational phase of the Project.	Landscape & Ecology Management Plan (LEMP)	1. Introduction.
a)	The LEMP shall, as a minimum, address the following: Final landscape strategy	Landscape & Ecology Management Plan (LEMP)	8 Key Landscape Issues & Strategy
b)	Confirmation of an appropriate buffer between the earthworks and waterways including confirmation of waterway location by longitudinal and cross-section survey. In the case of the Papawai Stream the buffer shall be no less than 10m on the stream's west bank (hillside). In the case of the Waitangi Stream Tributary, to the west of the project site, no buffer shall be less than 5m unless otherwise agreed by Wellington City Council CMO.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	8.1 Buffer Zones 7.1.1 Pre-construction Notification Requirements
c)	How the final reservoir backfill design will support a smooth integration with adjacent topography and optimise effective revegetation conditions	Landscape & Ecology Management Plan (LEMP)	8.3.6 Reservoir Backfill Design
d)	Details of replaced pathways through the site, which shall be designed with reference to the WCC "Short Walk Standard"	Landscape & Ecology Management Plan (LEMP)	8.5.1 Final Track Network
e)	Consideration of CPTED principles in relation to the pipe tunnel access door	Landscape & Ecology Management Plan (LEMP)	8.6.1 Pipe Tunnel Access Door

f)	Identification of vegetation to be retained, including retention of as many as practicable significant trees and areas of regenerating indigenous vegetation	Landscape & Ecology Management Plan (LEMP)	7.3 Vegetation Removal & Retention
g)	Protection measures for vegetation to be retained and vegetation clearance methodology as outlined in condition DC.34, including specifying a requirement that the removal of large trees shall be undertaken by an arborist to minimise damage to adjacent vegetation.	Landscape & Ecology Management Plan (LEMP)	7.3.1 Vegetation Protection Measures & Edge Effects
h)	Under conditions DC.33 f) and (g) above, particular attention shall be given to minimisation of the loss of trees in the Seral Forest B and to the protection of trees in the Seral Forest B that do not need to be removed. Where any vegetation is required to be removed from Seral Forest B, the Requiring Authority shall provide the CMO with a written explanation for why the removal is needed.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	7.3.3 Seral Forest 7.1.1 Pre-construction Notification Requirements
i)	A methodology for the monitoring of the nest boxes required by condition DC. 34 during construction, to be prepared by a suitably qualified and experienced ornithologist	Landscape & Ecology Management Plan (LEMP)	7.1.1 Nest Boxes
j)	A methodology for surveying lizard presence prior to vegetation clearance, and minimising effects on lizard populations as required by condition DC.35.	Landscape & Ecology Management Plan (LEMP)	7.2 Lizard Survey
k)	Details of proposed mass planting and specimen tree planting including plant species, plant/grass mixes, spacing/densities, sizes (at the time of planting) and layout and planting methods. The intention is to achieve a dense canopy of complementary plant communities which will achieve a variation in plant height.	Landscape & Ecology Management Plan (LEMP)	8.4.1 Plant Species & Planting Specifications
l)	Planting programme – the staging of planting in relation to the construction programme which shall, as far as practicable, include provision for planting within the first planting season following completion of the Project	Landscape & Ecology Management Plan (LEMP)	8.4. Planting Programme
m)	Detailed specifications relating to (but not limited to) the following:		
i)	Weed control and clearance	Landscape & Ecology Management Plan (LEMP)	8.3.1 Weed Control
ii)	Ground preparation	Landscape & Ecology Management Plan (LEMP)	8.3.2 Ground Preparation
iii)	Mulching	Landscape & Ecology Management Plan (LEMP)	8.3.3 Substrate - Mulching

		Management Plan (LEMP)	
iv)	Plant supply and planting, including hydro-seeding and grassing	Landscape & Ecology Management Plan (LEMP)	8.4.1 Plant Species & Planting Specifications
v)	Proposed maintenance of plantings, including the replacement of unsuccessful plantings	Landscape & Ecology Management Plan (LEMP)	8.11.1 Maintenance
vi)	Response maintenance for existing vegetation affected by opening of the canopy during construction (this is required to address potential windfall effects that may arise as a result of peripheral tree removal)	Landscape & Ecology Management Plan (LEMP)	8.11.1 Maintenance
n)	Subject to achieving the success standards in paragraphs i), ii) and iii) below, there shall be a five-year defects liability and maintenance period for all terrestrial planting, but the maintenance period may be shorter if the success measures have been achieved earlier. At the end of that period, the Requiring Authority shall provide information to the CMO to demonstrate that the planting has been successful, with success defined as follows:	Construction Environmental Management Plan (CEMP)	7.1.3 Post Construction Notification Requirements
i)	In relation to mass planting, successful planting shall be defined as 80% canopy closure whereby a sustainable plant community has been established and where plants have grown to create a canopy that shades the ground and suppresses weed growth;	Landscape & Ecology Management Plan (LEMP)	8.11.7 Defects & Liability Period for Planting & Landscaping
ii)	In relation to the planting of specimen trees, successful planting shall be defined as 100% plant survival, with 100% of trees in full leaf (if the relevant species is typically in leaf at that time of year) with the trees to have a habit of growth that is normal to the species and are to be sound, healthy and vigorous with normal and well-developed branch systems;		
iii)	Success in relation to wetland and riparian planting shall be defined as nearly as practicable to the criteria in i), or ii) and in any event as agreed by expert ecologists.		
DC.34			
a)	Prior to any vegetation clearance occurring: The maximum extent of clearance is to be clearly identified and confirmed by the Project Ecologist in consultation with the Project Landscape Architect and Project Construction Manager	Landscape & Ecology Management Plan (LEMP)	7.3.2 Vegetation Clearance
b)	Vegetation to be retained will be clearly marked on site, with special attention given to large trees and Seral Forest B	Landscape & Ecology Management Plan (LEMP)	7.3.1 Vegetation Protection Measures & Edge Effects

c)	As far as practicable, vegetation clearance will occur outside the breeding season of kaka, falcon, kakariki, and morepork (1 September to 30 March)	Landscape & Ecology Management Plan (LEMP)	7.1 Nesting Birds Survey
d)	If vegetation clearance must occur during the period identified in condition DC.34 c), a survey shall be undertaken prior to clearance by a suitably qualified and experienced ornithologist to determine if a nest or nests are present. If a nest of any of the species identified in DC. 34c) is located on a tree to be felled, that tree must not be felled until the chick(s) has left the nest	Landscape & Ecology Management Plan (LEMP)	7.3.2 Vegetation Clearance
e)	The Requiring Authority shall engage a suitably qualified and experienced ornithologist to provide a recommendation on the type, location and number of nest boxes that must be installed in adjacent areas of vegetation specifically for resident kaka and morepork.	Landscape & Ecology Management Plan (LEMP)	7.1.1 Nest Boxes
f)	Nesting boxes required under DC.34 e) shall be installed under the supervision of the ornithologist prior to the commencement of any tree removal.	Landscape & Ecology Management Plan (LEMP)	7.1.1 Nest Boxes
Note:	Evidence that the above process has been followed is to be provided to the CMO upon request. The CMO shall consult with an ecologist within the Council.	Landscape & Ecology Management Plan (LEMP)	7.1.1 Nesting Boxes
DC.35			
a)	Prior to any vegetation clearance occurring, a lizard survey is to be undertaken of the project site and surrounding area by a herpetologist.	Landscape & Ecology Management Plan (LEMP)	7.2 Lizard Survey
b)	If any lizards are found or their presence is suspected measures must be developed to minimise the effect of the project on the lizard population, this may include lizard relocation prior to vegetation clearance, and habitat re-creation associated with post construction site remediation and landscaping. These measures must be included in Landscape and Ecology Management Plan required under conditions DC.32 and DC.33.	Landscape & Ecology Management Plan (LEMP)	7.2 Lizard Survey
DC.36			
	Prior to commencing construction, the Requiring Authority shall remove and store the existing bench seat and plaque located on the reservoir site. Within six months of the completion of construction the bench seat and plaque shall be re-instated.	Landscape & Ecology Management Plan (LEMP)	8.10.2 Existing Bench Seat & Plaque

DC.37		
<p>A planting review must be undertaken by a suitably qualified and experienced landscape architect within 3 years of completion of construction of the reservoir. The review will focus on the revegetation and assess the effectiveness of plant growth, particularly on mechanically stabilised slopes. Where required, remedial works shall be undertaken to ensure that planting treatments are successful and have the potential to improve the landscape values of the site. Evidence of this review must be provided to the CMO.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p>	<p>8.11.3 Planting Review</p> <p>7.1.3 Post Construction Notification Requirements</p>

Playing Fields Management Plan	Associated Management Plan	Specific Section of the Management Plan
DC.38		
<p>a) At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a Playing Field Management Plan (PFMP) to the CMO for certification.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-Construction Notification Requirements</p>
<p>b) The PFMP shall address the matters in condition DC.39</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>c) Construction shall not commence until the Requiring Authority has received the CMO written certification of the PFMP.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>2.4 Commencement of Construction Activities</p>
<p>Note: The PFMP may be part of a combined document including the Landscape Ecology Management Plan</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>1.2. Management Plan Consolidation</p>

DC.39			
	The purpose of the PFMP is to outline the methods and measures to be implemented prior to the Works, during the construction phase, and for a defined period thereafter to avoid, remedy, and mitigate adverse effects of the construction and the Project on the Upper and Lower Prince of Wales Park playing fields.	No specific section of the LEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	
	The PFMP shall, as a minimum, address the following:		
a)	Final design of the fields including levels and improved drainage (where practicable)	Landscape & Ecology Management Plan (LEMP)	9.2. Ground Preparation - Upper and Lower Playing Fields Reinstatement
b)	Surface specifications	Landscape & Ecology Management Plan (LEMP)	9.2.2 Surface Specifications
c)	Retaining works, including any retaining structure design, where necessary	Landscape & Ecology Management Plan (LEMP)	9.2.3 Retaining Works
d)	Permanent access for maintenance vehicles to both fields	Landscape & Ecology Management Plan (LEMP)	9.2.4 Permanent Access for Maintenance
e)	Fencing	Landscape & Ecology Management Plan (LEMP)	9.2.5 Fencing
f)	Design of the access track between the upper and lower playing fields.	Landscape & Ecology Management Plan (LEMP)	9.2.6 Access track between the upper and lower playing fields
DC.40			
a)	The PFMP shall be prepared in consultation with the Manager, Open Space and Recreation Planning and the Manager, Sports and Recreation Operations and Contracts.	No specific section of the LEMP addresses this condition. Compliance with	

		<p>this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
b)	<p>The PFMP shall demonstrate how the outcomes of the consultation have been incorporated and, where they have not, the reasons why.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>2.4. Commencement of Construction Activities</p>
DC.41			
	<p>The Requiring Authority shall not permanently raise the upper and lower playing field as part of the Project for the expressed purpose of permanently storing surplus excavated material from the proposed reservoir site. This condition shall not affect or limit any reasonable works required as part of field reinstatement, involving field re-shaping or re-profiling, required to appropriately reinstate playing surfaces as agreed with the Manager Open Space and Recreation Planning and the Manager, Sports and Recreation Operations and Contracts.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>9.2.1 Raising of Upper and Lower Playing Fields</p>
DC.42			
a)	<p>There shall be a 1-year defects liability period for works associated with the reinstatement of each of the upper and lower playing fields, including access tracks, retaining walls (where required), fencing and drainage. This 1 year period will commence from the date that the CMO (in consultation with the Manager, Open Space and Recreation Planning and the Manager, Sports and Recreation Operations and Contracts), confirms in writing that the reinstated field or fields, and related tracks, retaining walls, fencing and drainage are suitable for organised sports use and public activities to commence.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p>	<p>9.3.1 Defects & liability Period for Playing Fields</p> <p>7.1.3 Post Construction Notifications</p>
b)	<p>Within the defects liability period the Requiring Authority is responsible for meeting all reasonable costs associated with ensuring the successful reinstatement of the fields.</p>	<p>No specific section of the LEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without</p>	

		specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	
c)	At the end of the period in DC.42 a), the Requiring Authority shall provide confirmation to the CMO that the playing field reinstatement, including any required retaining works, permanent maintenance vehicle access works (including the access track between the upper and lower field), fencing and any required defect remedial work/s has been successful. This confirmation shall involve an appropriately qualified and experienced sports turf specialist.	Construction Environmental Management Plan (CEMP)	7.1.3 Post Construction Notifications
Note:	DC42a) includes flexibility to separately stage the reinstatement of the upper and lower playing fields. For the avoidance of doubt, where this occurs the 1-year defects liability period will vary (in terms of its start and end date) for each field.	No specific section of the LEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	
Accidental Discovery		Associated Management Plan	Specific Section of the Management Plan
DC.43			

<p>At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall, in consultation with Port Nicholson Block Trust and Te Rūnanga o Toa Rangātira Inc, prepare an accidental discovery protocol and provide a copy to the CMO and GWRC for information at the time the CEMP is submitted. The protocol shall be implemented in the event of accidental discovery of cultural or archaeological artefacts or features during construction of the Project. The protocol shall include, but not be limited to:</p> <p>a) Identification of parties to be notified in the event of an accidental discovery, who shall include, but need not be limited to Port Nicholson Block Trust, Te Rūnanga o Toa Rangātira Inc, HNZ, WCC, GWRC, and, if koiwi are discovered, the New Zealand Police</p> <p>b) Setting out of procedures to be undertaken in the event of an accidental discovery (these shall include immediate ceasing of all construction in the vicinity of the discovery until authorised to proceed)</p> <p>c) Training procedures for all contractors regarding the possible presence of cultural or archaeological sites or material, what these sites or material may look like, and the relevant procedures if any sites or material are discovered</p>	<p>Construction Environmental Management Plan (CEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-Construction Notifications</p> <p>7.4 Archaeological Management</p> <p>7.4.1. Accidental Discovery Protocols</p> <p>7.4.3. Archaeological Training & Toolboxes</p>
<p>Dorking Road access and traffic management</p>	<p>Associated Management Plan</p>	<p>Specific Section of the Management Plan</p>
<p>DC.44</p>		
<p>a) Access via Dorking Road must not be used during the construction of the Reservoir project.</p> <p>b) The Requiring Authority must give residents on Dorking Road. Coolidge Street and Asquith Terrace at least 24 hours to remove on street parked cars if an emergency occurs and two weeks' notice to carry out maintenance work.</p> <p>c) A gate must be installed permanently at the Dorking Road site entrance to avoid any vehicles using the site access</p> <p>d) A detailed Construction Traffic Plan (CTP) must be prepared. and submitted to the Compliance Monitoring Officer for approval prior to the commencement of work on the Dorking Road access point. The CTP must include methods to avoid, remedy or mitigate adverse construction traffic effects during the development of the site. The CTP must</p>	<p>Construction Traffic Management Plan (CTMP)</p> <p>This is an operational Designation condition and does not relate to the construction phase.</p> <p>Construction Traffic Management Plan (CTMP)</p>	<p>Section 5.1.3 Dorking Road access</p> <p>Section 7.3 Dorking Road work notifications</p> <p>Section 1.1. Purpose and scope</p>

<p>include, but not be limited to, the following matters:</p> <ul style="list-style-type: none"> i. Temporary pedestrian & cyclists safety measures, including directional signage (where applicable); ii. Locations where construction vehicles will park and carry out loading and unloading of materials; iii. Locations where construction materials would be stored. iv. Expected frequency of vehicle movements specific to the construction phase, with details of the proposed hours and days of week. Vehicle movements into and out of the site should be reduced during peak traffic times (7-9am and 4-6pm weekdays). Methods for the public to contact the site manager for complaints. There should be a 1 m² sign facing the public footpath with the site manager's contact details. 	<p>Construction Traffic Management Plan (CTMP)</p> <p>Construction Traffic Management Plan (CTMP)</p> <p>Construction Traffic Management Plan (CTMP)</p> <p>Construction Traffic Management Plan (CTMP)</p>	<p>Section 6 Pedestrian Management</p> <p>Section .3.7.2 SSTMP limitations</p> <p>Section .3.7.2 SSTMP limitations</p> <p>Section 4.3. Proposed heavy vehicle routes</p>
<p>Dorking Road tree protection</p>	<p>Associated Management Plan</p>	<p>Specific Section of the Management Plan</p>
<p>DC.44</p>		
<ul style="list-style-type: none"> a) Prior to any works commencing on the Dorking Road access point a Council-approved consulting arborist /Project Arborist must be engaged by the applicant. b) Construction shall be undertaken in accordance with the Tree Protection Methodology prepared by Arb Innovations Ltd (dated February 2020) including the implementation of a Tree Protection Zone (TPZ) around the Podocarpus Totara tree located on Dorking Road. c) On completion of work on the Dorking Road access point the Project Arborist shall at their discretion sign off the work and provide a brief account of the project to the Council Arborist and Compliance Officer that documents: <ul style="list-style-type: none"> • Photographs showing stages of any work within the RPA • Effects of work on the trees • Remedial works required d) Tree Protection Zone (TPZ) <ul style="list-style-type: none"> • The TPZ shall be fenced as indicated in the Tree Protection Methodology prepared by Arb Innovations Ltd. • Any work within the TPZ is at the discretion of Project Arborist and shall 	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Landscape & Ecology Management Plan (LEMP)</p> <p>Landscape & Ecology Management Plan (LEMP)</p> <p>Landscape & Ecology Management Plan (LEMP)</p>	<p>7.3.5. Dorking Rd Tree Protection</p> <p>7.3.6. Tree Protection Zones (TPZ)</p> <p>Section 6.3 Post-construction Notification Requirements</p> <p>7.3.6. Tree Protection Zones (TPZ)</p>

<p>be done in accordance with the Tree Protection Methodology prepared by Arb Innovations Ltd.</p> <ul style="list-style-type: none"> All vehicles, structures, building materials and debris associated with construction must not be stored within the Tree Protection Zone unless prior approval from the Project Arborist or Council's Compliance Monitoring Officer (in liaison with the Council's Arboricultural Officer) has been obtained. <p>e) Excavations within the TPZ</p> <ul style="list-style-type: none"> All excavations which are to take place in the TPZ shall be done so in accordance with the Tree Protection Methodology prepared by Arb Innovations Ltd and to the satisfaction of the Project Arborist. 	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>7.3.6. Tree Protection Zones (TPZ)</p>
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3.3. Reference Guide to Management Plans and Sections dealing with WCC Town Belt Act Licence Conditions

To efficiently locate where in either this document, the CEMP, or the appropriate sub-management plan a particular WCC Town Belt Act Licence condition, is discussed consult Table 4C below. The middle column will indicate which management plan should be consulted, and the far right-hand-side column will confirm the section(s) to refer to.

Table 4C: WCC Town Belt Act Licence Conditions Reference Guide.

Town Belt Licence		
General Conditions	Associated Management Plan	Specific Section of the Management Plan
LC. 1 Grant of Licence		
Wellington City Council grants to Wellington Water Limited a licence on the terms set out in this Licence.	Not Applicable	No requirement for inclusion within a plan
LC.1A Licence does not constitute a resource consent		
The Council is approving this licence as property owner. Nothing herein implies any regulatory consent or resource consent.	Not Applicable	No requirement for inclusion within a plan
LC.1B Term of Licence		
The Licence will commence on the date Wellington Water begin work at the site and WCC PSR is notified in writing and (unless terminated earlier) shall cease on the date that the construction and landscaping works are completed (unless extended by the WCC Manager Open Space and Recreation Planning).	Construction Environmental Management Plan (CEMP)	3.1.1 Commencement of Regulatory Permissions
LC.2 Activities to comply with relevant laws, regulations and bylaws		

<p>That all relevant laws, regulations and bylaws are complied with and relevant consents obtained. Wellington Water is responsible for ensuring that all work is carried out in accordance with all relevant Acts, Regulations and Bylaws, including the Health and Safety in Employment Act 1992, Building Act and the Resource Management Act 1991.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>LC.3 Conflict of conditions</p>		
<p>Where there is any conflict between any of the conditions of this licence and any conditions specified within any designation or resource consent, the more restrictive or stringent condition set shall prevail.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>LC.4 General intent of this licence</p>		
<p>The intention is that Wellington Water will return the licence area to Wellington City Council to manage with no outstanding work to complete and no increase in maintenance levels of service (unless approved by the WCC Manager Open Space and Recreation Planning and the cost of this has been added to operational budgets). All areas disturbed by the project will be reinstated to function as intended as Wellington Town Belt reserves.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>12.4 Management Review</p>
<p>LC.4A WCC Manager Open Space and Recreation Planning</p>		
<p>Reference to WCC Manager Open Space and Recreation Planning means the Wellington City Council employed in that position, or his or her delegate.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>5. Roles & Responsibility</p>

Licence Area	Associated Management Plan	Specific Section of the Management Plan
<p>LC. 5 Licence coverage</p>		
<p>The licence area: (a) Includes the area defined as 'Temporary Construction Area' in Figure 2, Appendix A, of the Application for Town Belt easement (b) Excludes any tracks not included in the 'Temporary Construction Area', notwithstanding that conditions of the licence or any resource consent may require the maintenance, modification, upgrade and/or construction of track areas outside of the licence area.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>2.1.1. Extent of Physical Works.</p>
<p>Note: Any track works, including the installation, replacement and/or maintenance of any signage, that must be undertaken outside of the licence area, including new track construction, existing track upgrades and/or modifications required to comply with any terms and conditions included in this licence or under any resource consent condition(s), are not subject to this licence agreement but will be under taken under terms and conditions as required by the Manager Open Space and Recreation Planning.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>2.1.2. Physical Works outside of the Temporary Construction Area</p>
<p>LC.6 Licence area variation</p>		
<p>(a) The licence area may be varied with the written approval of the WCC Manager Open Space and Recreation Planning. Any variation proposal will be assessed to consider the extent and effect of the variation, and any positive, including net positive, effects associated with the variation. Any variation that is considered by the WCC Manager Open Space and Recreation Planning to be more than minor and not able to generate a net positive effect may require a new licence application process. Any proposal to vary the licence area must be in writing and must include the following information: A written proposal, with a clear map(s) and/or diagram(s), outlining the need for the variation, the proposed variation area, any activities proposed to be undertaken within the variation area, and an appropriate assessment of the effect(s) of the licence</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>2.1.2. Physical Works outside of the Temporary Construction Area</p>

	area variation	
(b)	Details, if any, of any proposed work(s) or activity(ies) that may be used to offset or mitigate any effect(s) of the proposed licence area variation	
(c)	Details, if any, of any temporary or permanent positive effect(s), including net positive effects, on the Town Belt that may be associated with the licence area variation	
(d)	A summary and assessment, appropriate to the scale and effect of the proposed licence area variation, of any alternative options considered to avoid or reduce the need for any variation to the licence area, including any reasonable licence area variation alternative(s)	
(e)	<p>A summary of consultation undertaken with and feedback received from the Community Reference Group (CRG).</p> <p>The parties acknowledge that the Wellington Town Belt Act 2016 (WTBA) governs the granting of licences within the Wellington Town Belt. No term of the licence or any variation proposed by it in accordance with this clause LC6 may breach any provision of the WTBA. If WCC Manager Open Space and Recreation Planning determines (acting reasonably) that any proposed variation may breach the requirements of the WTBA then Wellington Water will be required to apply for a new licence in relation to such variation.</p>	

Licence Conditions in Contract Documents	Associated Management Plan	Specific Section of the Management Plan
LC.7 Requirement for licence conditions to be included in contracts		
Wellington Water must provide evidence to the WCC Manager Open Space and Recreation Planning that the requirements of this licence are clearly articulated in all contract documents prepared by Wellington Water for the engagement of any contractors associated with the development and delivery of the Omaroro reservoir project.	Construction Environmental Management Plan (CEMP)	Evidence has been provided, outside of the Management Plans, by Wellington Water to the WCC Manager Open Space and Recreation that the requirements of this license are clearly articulated in all contract documents prepared by Wellington Water for the engagement of any contractors

		associated with the development and delivery of the Omāroro reservoir project.
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General Duty of Care	Associated Management Plan	Specific Section of the Management Plan
LC.8 Wellington Water and contractor duty of care		
Wellington Water and all its contractors and employees shall, at all times, take all practicable measures to: <ul style="list-style-type: none"> (a) Avoid any disturbance to the reserve land and vegetation outside of the licence area both during the construction and maintenance periods for the licenced works, (b) Minimise any disturbance to members of the public within the Town Belt, outside of the licence area, both during the construction and maintenance periods for the licenced works, (c) Avoid any disturbance to any streams within the Town Belt. 	Construction Environmental Management Plan (CEMP)	4.1 Duty of Care

Health and Safety	Associated Management Plan	Specific Section of the Management Plan
LC.9 Health and safety responsibilities		
It is the responsibility of Wellington Water to ensure all its contractors and employees shall take all practicable measures to ensure the Health and Safety of all persons at the site and to identify all hazards associated with the site.	Construction Environmental Management Plan (CEMP)	7.8 Safety

Easement Document to be Produced Prior to the Completion of Construction	Associated Management Plan	Specific Section of the Management Plan
LC.10 Requirement for easement document		

	<p>(d) Outline procedures to be followed to allow Wellington Water access to the site</p> <p>(e) Outline requirements and methods to manage or where appropriate record and monitor keeping undesirable vegetation clear of engineered slopes and/or underground infrastructure as required</p> <p>(f) Outline requirements and methods to manage or where appropriate record and monitor keeping vehicles and machinery clear of any sensitive engineered slopes, underground infrastructure as required</p> <p>(g) Unless otherwise agreed with the Manager Open Space and Recreation Planning provide for any new maintenance and management costs to be fully met by Wellington Water for activities within the finished easement area, that are a change to the levels of service for the maintenance of this area from what existed prior to the construction of the reservoir.</p>		
LC.13	Easement document costs to be met by Wellington Water		
Note	<p>All costs associated with preparing, reviewing, finalising and lodging any easement document, including any survey, legal and easement lodgement costs, will be met by Wellington Water, unless otherwise agreed by the Manager Open Space and Recreation Planning.</p> <p>This condition set recognises that the final easement area required for the long-term operation, management and maintenance of the reservoir won't be fully determined until the completion of detailed design and reservoir construction and site reinstatement. At this point it will then be appropriate to finalise the easement area 'footprint' and formally register the easement.</p> <p>The final easement area must be as small as practical and the terms and conditions of occupation and management finalised so as to minimise any impact on existing or future use or development of Town Belt land for recreation, ecological enhancement or other open space values.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: development of Easement Document is not the responsibility of HEB Construction and therefore it unnecessary for the CEMP to discuss Licence Condition LC.13.</p>

Protection of Streams	Associated Management Plan	Specific Section of the Management Plan
<p>LC.14 Stream damage to be reinstated and offset</p> <p>Any damage to the Papawai Stream or Waitangi Stream tributary bed or margins within the Town Belt, not otherwise provided for within the application documents or any consents obtained from Greater Wellington, will be subject to a requirement for reinstatement and offsetting by Wellington Water, in accordance with LC15-LC24.</p> <p>Note: The intention of this condition is to set to high bar for avoidance of ANY stream disturbance or damage. While a high bar is set, if damage does occur, the remediation will be commensurate with the damage as determined by professionals (refer condition 16). For example, damage to vegetation at the bank will require replanting of that area and an offset area but will not mean that the offset area needs to be completely redeveloped as a comprehensive stream restoration project.</p>	Landscape & Ecology Management Plan (LEMP)	7.5 Protection of Streams
<p>LC.15 Stream reinstatement and offset works</p> <p>Any reinstatement and offset works required by LC.14 shall, unless otherwise agreed by the Manager Open Space and Recreation Planning, be three times the length of the stream bed or margin that is damaged.</p>	Landscape & Ecology Management Plan (LEMP)	7.5.1 Stream Reinstatement and Off-set Works
<p>LC.16 Reinstatement and offset works plan to be produced by landscape architect and/ or ecologist</p> <p>Wellington Water must employ a suitably qualified landscape architect and/or ecologist, to produce a reinstatement and offset works plan, and supervise implementation of any reinstatement works under LC.15.</p>	Landscape & Ecology Management Plan (LEMP)	7.5.1 Stream Reinstatement and Off-set Works
<p>LC.17 Reinstatement and offset works plan consultation</p> <p>If required by the Manager Open Space and Recreation Planning the planning and implementation of works required under LC. 15 shall occur in consultation with any landscape architect and/or ecologist appointed by the Manager Open Space and Recreation Planning.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Construction Environmental Management Plan</p>	<p>7.5.1 Stream Reinstatement and Off-set Works</p> <p>7.1.2 During Construction Notification</p>

	(CEMP)	Requirements
LC.18 Damage documentation and reporting		
Wellington Water must also formally document any damage incident under LC.14 and include details of this incident on a breach register and provide an update of this breach and its response to this in a report to the next available CRG, or CLG, meeting.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	7.5.2 Damage Documentation & Reporting 7.1.2 During Construction Notification Requirements 9 Incident & Emergency Response
LC.19 Deleted		
LC.20 Reinstatement and offset works plan approval		
The reinstatement and offset plan shall be provided to the Manager Open Space and Recreation Planning for approval 20 working days prior to commencement. Works shall not commence prior to receipt of written approval.	Landscape & Ecology Management Plan (LEMP)	7.5.1 Stream Reinstatement and Off-set Works
LC.21 Reinstatement and offset works completion		
Any reinstatement and offset works required under LC. 15 must be completed within three months of the damage, or within an appropriately suitable reinstatement period set out in the reinstatement and offset plan.	Landscape & Ecology Management Plan (LEMP)	7.5.1 Stream Reinstatement and Off-set Works
LC.22 Reinstatement and offset works certification		
Any agreed reinstatement and offset works under LC. 20 must be inspected by the Manager Open Space and Recreation Planning, or by any appointee of the Manager, and certified in writing as being completed.	Landscape & Ecology Management Plan (LEMP)	7.5.1 Stream Reinstatement and Off-set Works
LC.23 Reinstatement and offset maintenance		
Any reinstatement and offset works must be maintained by Wellington Water or its contractor to establish as intended. Any reinstatement and offset works plan and reinstated or offset works stream area/s must be added to any draft or final Landscape and Ecology Management Plan (LEMP) required under the designation conditions to ensure the area is subject to ongoing management and maintenance under the LEMP.	Landscape & Ecology Management Plan (LEMP)	7.5.4 Reinstatement and offset maintenance
LC.24 Reinstatement and offset works consenting responsibilities		

<p>Wellington Water or its contractor will have responsibility for obtaining any consents required from Greater Wellington Regional Council for any stream damage or stream reinstatement and offset works.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>7.5.3 Consenting & Cost Responsibilities</p>
<p>LC.25 Reinstatement and offset costs</p>		
<p>Any costs associated with LC. 14- LC. 24 will be met by Wellington Water or its contractor, unless otherwise agreed with the Manager Open Space and Recreation Planning.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>7.5.3 Consenting & Cost Responsibilities</p>
<p>Note: The two streams in or immediately adjacent to the licence area (Papawai Stream, and Waitangi Stream tributary) have acknowledged and significant ecological values. The intention of all conditions is to avoid any disturbance to these streams, and protect the stream habitat, environment and function. Any damage to these streams must be reinstated and appropriately offset.</p> <p>If damage occurs, notwithstanding any other RMA consenting or NOR implications that this may have for Wellington Water, it is anticipated that Wellington Water will provide for the reinstatement and offsetting of any disturbance that occurs. Wellington Water will advise the Manager Open Space and Recreation Planning and the CRG or CLG of any breach, and the actions that it proposes to take to address any damage.</p> <p>The Manager Open Space and Recreation Planning will, on behalf of WCC as Town Belt Trustee, reserve the right to require, where it is considered any licence breach is significant, a modification to the licence or even additional licencing for damage to Town Belt streams.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	

Protection of Land or Vegetation Outside of the licence Area	Associated Management Plan	Specific Section of the Management Plan
<p>LC.26 Land and vegetation damage to be reinstated and offset</p>		

	Any damage to any land or vegetation outside of the licence area will be subject to a requirement for both the reinstatement of the damage and the provision of offset planting by Wellington Water, in accordance with LC. 27- LC. 37.	Landscape & Ecology Management Plan (LEMP)	7.6 Protection of Land or Vegetation Outside of the licence Area
LC.27	Offset planting area		
	Any offset planting area required by LC. 26 shall, unless otherwise agreed by the Manager Open Space and Recreation Planning, be:	Landscape & Ecology Management Plan (LEMP)	7.6.1 Off-set planting works
(a)	Three times the size of the area of land disturbed, or		
(b)	In the case of the disturbance of vegetation three times the area of land contained within the drip line of any damaged or removed vegetation, or		
(c)	Whichever is the greater of (a) or (b).		
LC.28	Damage documentation and reporting		
	Wellington Water must also formally document any damage incident under LC.26 and include details of this incident on a breach register and provide an update of this breach and its response to this in a report to the next available CRG, or CLG, meeting.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	7.6.2 Damage documentation and reporting 7.1.2 During Construction Notification Requirements 9 Incident & Emergency Response
LC.29	Reinstatement and offset planting plan to be produced by landscape architect and ecologist		
	Wellington Water must employ a suitably qualified landscape architect and ecologist, agreed to by the Manager Open Space and Recreation Planning to produce a draft reinstatement and offset planting plan, and to plan and implement any reinstatement and offset planting works required under LC.27.	Landscape & Ecology Management Plan (LEMP)	7.6.1 Off-set planting works
LC.30	Reinstatement and offset planting plan consultation		
	If required by the Manager Open Space and Recreation Planning the preparation of the plan and any planning and implementation of works required under LC.27 shall occur in consultation with any landscape architect and/or ecologist appointed by the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	7.6.1 Off-set planting works
LC. 31	Review of draft reinstatement and offset planting plan		
	Any draft reinstatement and offset planting plan required under LC. 29 must be provided to the Manager Open Space and Recreation Planning for review and feedback at least 20 working days prior to the commencement of any reinstatement works, unless otherwise agreed by the Manager.	Landscape & Ecology Management Plan (LEMP)	7.6.1 Off-set planting works

LC. 32	Reinstatement and offset plan approval		
	Reinstatement works required under LC. 27 shall not commence until a final reinstatement plan is approved by the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	7.6.3 Approvals & Certification
LC. 33	Reinstatement and offset planting works completion		
	Any reinstatement and offset planting works required under LC. 27 must be completed within three months of the damage, or within an appropriately suitable period agreed with the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	7.6.3 Approvals & Certification
LC. 34	Reinstatement and offset works certification		
	Any agreed reinstatement and/or offset works under LC. 32 must be inspected by the Manager Open Space and Recreation Planning, or by any appointee of the Manager, and certified in writing as being completed.	Landscape & Ecology Management Plan (LEMP)	7.6.3 Approvals & Certification
LC. 35	Reinstatement and offset planting maintenance		
	Any reinstatement and offset planting works must be maintained by Wellington Water or its contractor to establish as intended. Any reinstated or offset planting area/s must be added to any draft or final Landscape and Ecology Management Plan (LEMP) to ensure the area is subject to ongoing management and maintenance under the LEMP.	Landscape & Ecology Management Plan (LEMP)	7.6.4 Reinstatement and offset maintenance 4.3. Management Plan Amendment and Review.
LC. 36	Reinstatement and offset planting works consenting responsibilities		
	Wellington Water or its contractor will have responsibility for obtaining any consents required from Greater Wellington Regional Council and/or Wellington City Council for any land or vegetation damage or reinstatement or offset planting works required outside of either the licence or designation area.	Landscape & Ecology Management Plan (LEMP)	7.6.5 Consenting & Cost Responsibilities
LC. 37	Reinstatement and offset planting costs		
	Any costs associated with LC. 26- LC. 36 will be met by Wellington Water or its contractor, unless otherwise agreed with the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	7.6.5 Consenting & Cost Responsibilities
Note:	The intention of this condition set is to recognise that any encroachment of reservoir site clearance or construction activities outside of the agreed licence area is not anticipated in the licence terms.		

<p>However, should this occur, notwithstanding any other RMA consenting or NOR implications that this may have for Wellington Water, it is anticipated that Wellington Water will provide for the reinstatement of any disturbance that occurs, and provide suitable 'compensatory' offset planting for this licence breach. Wellington Water will advise the Manager Open Space and Recreation Planning and the CRG or CLG of any breach, and the actions that it proposes to take to address any damage.</p> <p>The Manager Open Space and Recreation Planning will, on behalf of WCC as Town Belt Trustee, reserve the right to require, where it is considered any licence breach is significant, a modification to the licence or even additional licencing for any activity encroachment outside of the agreed licence area.</p>		
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Community and Stakeholder Engagement and Relationship Management	Associated Management Plan	Specific Section of the Management Plan
<p>LC. 38 Contractor assessment, appointment and stakeholder engagement</p> <p>Prior to commencing any process to select and engage a contractor for the construction of the reservoir (including any site preparation and construction enabling works), Wellington Water must provide evidence to the WCC Manager Open Space and Recreation Planning that the contractor assessment and appointment process, and any proposed terms of engagement for any contractor/s to deliver the Omaroro reservoir project, has provided for the following:</p> <p>(a) Contractor attribute assessment: The appropriate recognition, evaluation and consideration of any prospective contractor's expertise, experience, capability and track record in successfully engaging and working with key stakeholders, including successfully developing and managing relationships with community and special interest groups and individuals. This must be incorporated within any contractor attribute evaluation process.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The development of Contractor assessment, appointment and stakeholder engagement took place prior to HEB Construction becoming involved with the Project therefore it unnecessary for the CEMP to discuss this set of Licence Conditions LC.38(a)-(c)</p>

<p>(b) Community Liaison Person: A requirement for a Community Liaison Person (CLP), required by Designation Condition 7, to be appointed prior to the commencement of construction to lead and coordinate any community and stakeholder engagement and communication processes, including any engagement required under (c) and (d) below,</p>		
<p>(c) CRG feedback: A requirement for any appointed contractor, through the CLP, to seek feedback from the Community Reference Group (CRG), appointed under LC.39, or from any Community Liaison Group (CLG), appointed under designation conditions, at least 7 working days prior to finalising and lodging any draft management plan/s, outline plan/s or any draft amendment/s to the designation with either the Manager Open Space and Recreation Planning or the CMO, as may be required either under designation conditions or the terms of this licence.</p>		
<p>(d) CRG engagement and programme milestones: A requirement for any appointed contractor, through the CLP, to engage with the Community Reference Group (CRG) prior to commencing any management plan development or community engagement to advise the CRG of its schedule of milestones for draft management plan development, CRG engagement and feedback under (c), management plan finalisation, and construction commencement, and completion</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>(e) Circulation of materials to CRG: A requirement for any appointed contractor, through the CLP, to ensure material circulated to the CRG for feedback under (c), (d) and (f), is pre-circulated prior to any scheduled CRG meeting and provides an appropriate, fair and reasonable time period for CRG members to review and respond to the material being provided. In considering an appropriate pre-circulation period, the contractor must consider the nature, scope, complexity and importance of any materials being circulated. In setting an appropriate pre-circulation period for any materials to be reviewed by the CRG at a minimum pre-circulated material must be received by CRG members at least 3 working days prior to any scheduled CRG meeting.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>

<p>(f) Response to CRG feedback: A requirement for any appointed contractor, through the CLP, to report back to any CRG, or CLG as the case may be, with the contractor's and/or Wellington Water's response to any feedback provided by the CRG or CLG on any document consulted on under (c), along with any amended draft or final documentation lodged with the Manager Open Space and Recreation Planning or the CMO. This shall occur either within 20 working days of lodging any material with the Manager Open Space and Recreation Planning or the CMO, or within any other time frame that is agreed with the CRG or CLG.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>Note: The intention of this condition is to ensure that the principal contractor appointed to deliver the Omaroro reservoir is appropriately skilled and experienced to build strong and effective working relationships with the community, the CRG and other key stakeholders.</p> <p>The condition is also intended to ensure that the CRG, or CLG as the case may be, is appropriately informed by WWL's contractor of key milestone timelines for management plan development and finalisation, and is appropriately consulted by the contractor and Wellington Water prior to any draft management plan or outline pion documents being formally lodged with the Manager Open Space and Recreation Planning or the CMO for review.</p> <p>The CRG or CLG as a reference group is expected to be consulted on any draft management plan/s and/or outline plan/s prepared by the contractor or Wellington Water and provided with a reasonable opportunity to directly comment and provide feedback on these documents, prior to these documents being finalised for submission to the Manager and/or the CMO for review.</p>	<p>No specific section of the CEMP addresses this Note. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	

<p>Where feedback is provided by the CRG or CLG on any document, the contractor or Wellington Water is also expected to acknowledge and summarise any feedback received and respond with how this feedback has been considered and responded to in finalising any plans. This can include the contractor or Wellington Water providing an explanation on how any feedback received has or has not been considered and used to amend any plan.</p>		
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Community Reference Group and Terms of Reference	Associated Management Plan	Specific Section of the Management Plan
<p>LC. 39 Community Reference Group (CRG) formation</p> <p>Immediately following the confirmation of the designation for the Omaroro reservoir (including the resolution of any appeals on the designation) and the issue of this licence, and prior to the engagement of any contractor and commencement of any construction activity, Wellington Water shall arrange with the Manager Open Space and Recreation Planning and the CMO to establish a Community Reference Group (CRG) in accordance with the requirements of Appendix 1 and any additional conditions or terms contained in this licence and requirements of the confirmed designation.</p> <p>Note: For the avoidance of any doubt, this licence will not permit Wellington Water to commence any construction activity /including any site clearance or enabling work within the licence area in the absence of having established a CRG under the terms set out in this licence.</p> <p>To meet the terms of this licence the CRG must be in place in time to be consulted on the development of any management plans, in accordance with the requirements of this licence, the TOR in Appendix 1 and any designation conditions.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The formation of the CRG took place prior to HEB Construction becoming involved with the Project therefore it unnecessary for the CEMP to discuss this Licence Conditions LC.39</p>
<p>LC. 40 Community Reference Group costs</p>		

	<p>All costs associated with establishing and running the CRG, including the engagement of an independent chairperson, venue hire, preparing and supplying materials for any meetings, and any incidental costs and expenses for CRG members to attend any CRG meeting will be met by Wellington Water, unless otherwise agreed by the Manager Open Space and Recreation Planning.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>LC. 41</p>	<p>Community Reference Group chairperson selection, appointment and remuneration</p>		
	<p>Prior to the first meeting of the CRG, Wellington Water will work with the Manager Open Space and Recreation Planning and the CMO to produce a draft job description for the CRG chairperson and to appoint a suitable independent CRG Chairperson. Unless otherwise agreed in writing by Manager Open Space and Recreation Planning, Wellington Water will be responsible for:</p> <p>(a) Chairperson job description drafting and finalisation: Coordinating the preparation of a job description, and job tasks for the CRG chairperson. The final job description must be approved in writing by the Manager Open Space and Recreation Planning and the CMO prior to engaging a chairperson</p> <p>(b) Chairperson selection: Managing any process agreed with the Manager Open Space and Recreation Planning and the CMO to advertise, interview and appoint an independent chair to the CRG including, if required, appointing any replacement to the position</p> <p>(c) Chairperson contract: Managing any contract for the CRG chairperson.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The appointment of the CRG chairperson took place prior to HEB Construction becoming involved with the Project therefore it unnecessary for the CEMP to discuss this Licence Conditions LC.41(a)-(c)</p>

<p>Note: The job description for the Chairperson will need to include a first task for the Chair of preparing of a draft code of conduct for the CRG meetings and presentation of this draft code to the CRG for comment and endorsement.</p>		
<p>LC. 42 Community Reference Group Terms of Reference</p>		
<p>The Terms of Reference (TOR) for the CRG is set out in Appendix 1. In addition to the matters contained in the TOR the following additional requirements set out in LC 43- LC 49 shall also apply to the establishment and operation of the CRG.</p> <p>Note: The TOR included in Appendix 1 is the TOR agreed to by Wellington City Council and key stakeholders in November 2017. In response to matters considered through submissions on the Omaroro NOR, including tabled evidence and material presented by submitters, a range of additional requirements have been added to the establishment and operation of the CRG as part of the licence agreement.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The establishment of the Terms of Reference (TOR) for the CRG took place prior to HEB Construction becoming involved with the Project therefore it unnecessary for the CEMP to discuss this Licence Condition LC.42</p>
<p>LC. 43 Community Reference Group membership invitations</p>		
<p>In addition to the specific parties identified in the TOR to join the membership of the CRG, Wellington Water shall, working with the Manager Open Space and Recreation Planning and the CMO, invite representatives from the following parties to also join the membership of the CRG:</p> <p>(a) Te Runanga o Toa Rangatira Inc (b) Local Business Community.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The Membership invitations for the CRG took place prior to HEB Construction becoming involved with the Project therefore it unnecessary for the CEMP to discuss this Licence Conditions LC.43(a)–(b).</p>

<p>Note: Membership of the CRG is open to all interested people and organisations within project area. This condition is intended to ensure that consistent with the intent of the Designation Condition DCB for establishing a Community Liaison Group, a specific invitation is extended to Ngati Toa and to the local business community to have representatives join the CRG.</p>		
<p>LC. 44 Community Reference Group attendance by Wellington Water and Contractor</p>		
<p>Wellington Water shall ensure that the CLP attends every CRG meeting.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>5.2. Community Reference Group (CRG)</p>
<p>LC. 45 Community Reference Group purpose</p>		
<p>In addition to those matters already agreed in the CRG Terms of Reference, the purpose of the CRG will also include:</p> <ul style="list-style-type: none"> (a) To provide a forum for community and stakeholder involvement through which any issues of community interest or concern can be raised and responded to in relation to the construction of the reservoir. (b) To provide a forum for Wellington Water to inform the CRG and its members about progress with management plans and to provide the primary opportunity for feedback on any draft management plan or outline plan prior to submission to the CMO or WCC. (c) To consider issues relating to compliance with designation and licence conditions, including management plans and outline plans (d) To consider education opportunities associated with the project. 	<p>Construction Environmental Management Plan (CEMP)</p>	<p>5.2. Community Reference Group (CRG)</p>
<p>LC. 46 Community Reference Group administration and CLP responsibilities</p>		
<p>Wellington Water shall be responsible through the CLP for CRG administration and co-ordination working alongside the CRG Chairperson and the CMO. The CLP shall be responsible for:</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The administration of the CRG and role of the CLP is not the responsibility of HEB Construction therefore it un-necessary for the CEMP to discuss this Licence Conditions LC.46(a)–(c).</p>

<p>(a) Meeting minutes: Taking and producing minutes and supplying these back to the CRG in an acceptable timeframe agreed to by the CRG</p> <p>(b) CRG coordination: Working with the CRG Chair and coordinating all CRG meetings and coordinating any Wellington Water and Wellington City Council responses to issues raised by the chair or through the CRG. This shall include but not be limited to gathering of information, arranging site meetings and pre-circulating agenda and meeting materials to be received by CRG members at least 3 working days prior to each meeting or in accordance with any longer timeframe as directed by Wellington Water or any contractor.</p> <p>(c) CRG meeting feedback to contractor: Ensuring that the CRG chair and members are aware:</p> <p>i. CRG feedback to contractor at CRG meetings: That CRG meetings will act as the primary opportunity for CRG feedback to any draft plans or documents prepared by Wellington Water or any appointed contractor, and capturing and relaying any feedback received to Wellington Water and/or any contractor</p> <p>ii. Wellington Water and Contractor milestone schedule: Of any milestone schedule and critical path milestones that Wellington Water and/or the contractor is working to, to assist with meeting planning and scheduling and feedback management and coordination on any draft management plans</p> <p>iii. Late feedback and contractor discretion: That response to late feedback from CRG members will be at the discretion of the contractor.</p>		
<p>LC. 47 Community Reference Group Meetings</p>		
<p>The CLP working with chairperson shall work to provide for CRG meetings to be held at times and locations that maximise representation and attendance, and that are appropriately aligned with Wellington Water's and its contractor's key milestone schedule for approvals process/es that are required as a condition of this licence or related to any designation or resource consents related to the project.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The administration of the CRG and role of the CLP is not the responsibility of HEB Construction therefore it un-necessary for the CEMP to discuss this Licence Condition LC.47.</p>

<p>Note: The location and frequency of meetings will need to be agreed to both ensure members are able to attend meetings as required, and to ensure that the timing of meetings appropriately ties into the timeline requirements for the receipt, review and feedback on plans and other materials required under conditions of this licence and the designation. At the time of producing this licence document the Friends of the Town Belt had also indicated that they did not want the CRG meeting to coincide with their regular meeting schedule as it may affect their ability to undertake their business as usual.</p>		
<p>LC. 48 Community Reference Group Attendance Requirements</p>		
<p>Wellington Water and WCC as landowner shall not be in breach of the terms of this licence or the TOR, if any one or more of the CRG members or invited parties either do not wish to be members of the CRG or do not attend particular meetings.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The administration of the CRG and role of the CLP is not the responsibility of HEB Construction therefore it un-necessary for the CEMP to discuss this Licence Condition LC.48.</p>
<p>LC. 49 Community Reference Group Dis-establishment</p>		
<p>Unless otherwise agreed in writing by the Manager Open Space and Recreation Planning and Wellington Water, the CRG shall be immediately dis-established following the completion of construction, including site and playing field remediation, and the expiry of any related defect liability and landscape/planting maintenance period associated with the Project. The completion of construction and expiry of any defect liability and landscape/planting maintenance period will be confirmed in writing to Wellington Water by the Manager Open Space and Recreation Planning and the CMO.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	<p>Note: The administration of the CRG and role of the CLP is not the responsibility of HEB Construction therefore it un-necessary for the CEMP to discuss this Licence Condition LC.49.</p>

Schedule of Milestones for PSR Approvals	Associated Management Plan	Specific Section of the Management Plan
<p>LC. 50 Draft milestone schedule to be reviewed and confirmed</p> <p>As soon as practicable after the confirmation of this licence agreement, and prior to submitting any draft management or outline plans to the WCC CMO and/or Manager Open Space and Recreation Planning for feedback or approval, and prior to commencing any work on the site, Wellington Water or its contractor must provide the Manager Open Space and Recreation Planning with a draft schedule of milestones for review, negotiation and confirmation.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>LC. 51 Milestone schedule details</p> <p>Any draft milestone schedule must:</p> <ul style="list-style-type: none"> (a) Outline key milestones and timeframes at which feedback or approvals will be required from the Manager Open Space and Recreation Planning, and (b) Clearly define any critical path milestones that the Manager Open Space and Recreation Planning must be aware of. (c) Align with any information or approvals process/es that are required as a condition of this licence or as part of any designation or resource consent related to the project. <p>Note: This condition set is needed to assist the Manager Open Space and Recreation Planning in appropriately planning, scheduling and managing resources for responding to any input required into management plan and outline plan approvals required under either the designation or licence condition set. Any draft milestone schedule must be reviewed and confirmed with the Manager Open Space and Recreation Planning</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>

Landscape and Ecological Management Plan (LEMP) and Playing Fields Management Plan (PFMP)	Associated Management Plan	Specific Section of the Management Plan
<p>LC. 52 Draft LEMP consultation</p> <p>The draft Landscape and Ecological Management Plan (LEMP) required by Designation condition DC 32 or any proposed variation to any approved LEMP must be prepared in consultation with the Manager Open Space and Recreation Planning.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>4.2 Management Plan Submission & approval Process</p>
<p>LC. 53 Draft PFMP consultation</p>		

	<p>A draft Playing Fields Management Plan (PFMP), required by Designation condition DC 38, or any proposed variation to any approved PFMP, must be prepared:</p> <p>(a) Sports Turf Specialist: With input from a suitably qualified sports turf specialist agreed to, in writing, by the Manager Open Space and Recreation Planning</p> <p>(b) Consultation: In consultation with the Manager Open Space and Recreation Planning.</p>	Landscape & Ecology Management Plan (LEMP)	4.2 Management Plan Submission & Approval Process
LC. 54	Draft LEMP and PFMP design detail		
	In addition to the matters listed in the designation conditions, the LEMP and PFMP management plans must include the details set out in LC. 55- LC. 61 for approval by the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	4.2 Management Plan Submission & Approval Process
LC. 55	Earthworks and ground preparation		
(a)	<p>Earthworks and ground preparation design and management must include the following:</p> <p>Upper and Lower playing field reinstatement: The lower and upper fields will be reinstated to function for sports fields use</p>	Landscape & Ecology Management Plan (LEMP)	9.2 Earthworks & Ground Preparation
(b)	Proposed finished ground levels: Proposed ground levels across the site that will result in all areas of the park, including any playing or sports fields, being fit for purpose	Landscape & Ecology Management Plan (LEMP)	9.2 Earthworks & Ground Preparation
(c)	Proposed finished ground and land drainage: Anticipated final overland flow paths for stormwater including details of how final ground levels and slope treatment will manage site run-off into the stream environments and not exacerbate sediment discharge to streams or result in erosion.	Landscape & Ecology Management Plan (LEMP)	8.3.7 Ground & Land Drainage
(d)	Reinstatement Areas: Details illustrating how areas disturbed or impacted by the construction project will be reinstated to be fit for purpose, and will be designed to be able to be practically and cost effectively maintained and managed	Landscape & Ecology Management Plan (LEMP)	8.3.8 Reinstatement areas
(e)	Topsoil management: Methods for ensuring that topsoil used for reinstating areas will be weed free	Landscape & Ecology Management Plan (LEMP)	8.3.4 Topsoil Management

(f) Compaction areas: Methods to be employed to repair compacted ground and ensure new ground material build up is suitable for the intended end use and long-term sustainability and maintenance of that use. Methods must ensure that areas subject to compaction or backfilling do not create areas that will not drain and/or will not allow new planting to successfully establish and grow in the long term or ground conditions that result in sports fields or walking tracks that do not drain or function properly	Landscape & Ecology Management Plan (LEMP)	8.3.5. Compaction
(g) Backfill inspection and monitoring: An inspection and monitoring programme for backfilled areas to be undertaken by the project landscape architect to ensure that suitable material is being used for the intended end result	Landscape & Ecology Management Plan (LEMP)	8.3.6 Reservoir Backfill Design
<p>Note: This condition set is intended to ensure that methods and details of ground stabilisation, ground surface finishing, and reinstatement of engineered and/or compacted areas have taken account of and addressed landscaping and ecological enhancement requirements, long term park function and use, along with the appropriate management of permanent surface run off and long term reinstatement stability and planting reestablishment success. This applies to both reinstated 'natural' slope and backfill areas, and finished track and sport field surfaces.</p> <p>Any areas of engineered fill or geotextile or any other products designed to enable planting into steep slopes or difficult ground conditions must be clearly identified on landscape plans to enable effective monitoring of planting associated with those areas.</p>	Landscape & Ecology Management Plan (LEMP)	8.11.7 Defects & Liability Period – Planting & Landscaping
LC. 56 Landscape design and management		
<p>Landscape design and management must include the following:</p> <p>(a) Landscape and planting strategies: A landscape and planting strategy for the site, including:</p> <p>i. Use of planting that is varied in height and scale to disguise any uniform slope areas</p>	Landscape & Ecology Management Plan (LEMP)	8 Key Landscape Issues & Strategy
<p>ii. The identification and intention of area specific planting strategies and landscape design treatments, including species selection and maintenance requirements, for reference in monitoring the success of planting and landscape works</p>	Landscape & Ecology Management Plan (LEMP)	8 Key Landscape Issues & Strategy

iii.	Any planting or planting areas to be planted outside the standard planting seasons that will require maintenance to address potential plant stress (for example irrigation)	Landscape & Ecology Management Plan (LEMP)	8.4.1 Planting Species & Specifications
iv.	Any areas where planting may need to be delayed until a suitable planting period (to maximise planting success), and that may need to be suitably maintained and stabilised in the interim period	Landscape & Ecology Management Plan (LEMP)	8.4.1 Planting Species & Specifications
v.	Eco-sourced native plants and providing sufficient lead times to supply and where necessary harden plants, to achieve the quantities needed.	Landscape & Ecology Management Plan (LEMP)	8.4.2 Eco-sourcing
(b)	Landscaping of backfill areas: Plans and details that show earthworks backfilling methods and materials have been tested and approved by a suitably qualified landscape architect who can confirm that the landscaping and vegetation proposed will be able to grow in the materials proposed	Landscape & Ecology Management Plan (LEMP)	8.3.6 Reservoir Backfill Design 8.3.4 Topsoil Management
(c)	Landscaping of reservoir 'top' and identified areas to be kept clear of trees: Final design of the top of the reservoir and any areas identified by Wellington Water that must be kept clear of trees must:		
i.	Clearly define areas that must be kept clear of vegetation in perpetuity	Landscape & Ecology Management Plan (LEMP)	8.4.3 Landscaping of Reservoir Top
ii.	Limit open grass area as far as possible to try and achieve a character similar to that which existed pre-construction		
iii.	Within any open space area on the top of the reservoir, create an informal lookout space		
(d)	Track network planning: Plans and details that show the location and design specification for the final track network, including reinstatement of closed tracks. This shall be integrated with temporary track planning and design requirements (LC 72 (b))	Landscape & Ecology Management Plan (LEMP)	8.5.1 Final Track Network
(e)	Landscape treatment integration: Specific landscape treatments that will be applied at the edge of the reinstated licence area to integrate new ground levels and associated landscape treatments within the licence area into the undisturbed landform and vegetation patterns outside of the licence area in a way that provides for the intended use and management of that land and minimises visual effect	Landscape & Ecology Management Plan (LEMP)	8.7 Edge Design

(f)	Landscape modification and review: If proposed landscaping fails or is compromised by either the methods and materials of backfilling, and must be changed, a landscape review and amendment process, involving a suitably qualified landscape architect and ecologist, for presenting changes to Manager Open Space and Recreation Planning that will achieve the same outcome anticipated for mitigating the effects of the reservoir project	Landscape & Ecology Management Plan (LEMP)	8.11.1 Maintenance
LC. 57 Maintenance and management schedule and costs			
	The LEMP and PFMP must include a long-term maintenance and management plan and schedule for the licence area and surrounding landscape that has been disturbed or used by the project. The finished site must be maintained and managed for the primary purpose of Wellington Town Belt Reserve while allowing for the operation of the reservoir and associated infrastructure. The maintenance and management schedule must outline all changes in level of service from the preconstruction site state and clearly define costs associated with the change.	Landscape & Ecology Management Plan (LEMP)	8.11.2 Maintenance, Management Schedule & Costs
Note:	<p>The Landscape Design and Management condition set is intended to ensure that strategies and methods are developed for appropriately landscaping and planting cleared and reengineered remediated licence areas and integrating modified and re-landscaped areas with adjacent undisturbed areas of the Town Belt.</p> <p>These strategies need to be supported by examples or evidence, including appropriate expert advice, which show that the proposed solutions and methods for landscaping and planting areas that have been stabilised, re-top soiled and have been tested and will be sustainable and successful in the long term.</p> <p>Particular methods to replace or provide for alternative methods in these areas, where initially preferred methods or solutions have not worked, must be outlined in the planting specification.</p> <p>The intention is that Wellington Water will return the licence area to Wellington City Council to manage with no outstanding work to complete and no increase in maintenance levels of service (unless the cost of this has been added to operational budgets). All areas disturbed by the project will be reinstated to function as intended as Wellington Town Belt reserves.</p>		
LC. 58 Exposed Reservoir Infrastructure			

<p>(a) The design and look of any exposed above ground infrastructure associated with the reservoir and associated pipe work must provide for the following: Integration with landscape: Design, materials and colours must be selected to integrate the infrastructure into the park and the natural landscape as far as practical. Opportunities to create bespoke solutions that can also serve a recreation or amenity purpose must be considered in design.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.6 Exposed Reservoir Infrastructure</p>
<p>(b) Reservoir service tunnel access door area: In preparing a draft landscape design for the reservoir service tunnel access door area attention shall be given to preparing a reasonable selection of design alternatives for this area, prior to final design selection.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.5.2. Reservoir Service Tunnel accessway Track</p>
<p>(c) Reserve maintenance: Design and infrastructure installation must enable easy and practical access for ongoing maintenance of the area/s around any structure/s.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.6.2. Reserve Maintenance</p>
<p>LC. 59 Reservoir Service Tunnel Access Way Track</p>		
<p>(a) Landscape design and management of the service access way to the reservoir service tunnel must provide for the following: Service tunnel access track design: The tunnel access way track must be as narrow as practicable and comprise a permeable surface that blends into the natural park landscape and functions primarily as a walking track</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.5.2. Reservoir Service Tunnel accessway Track</p>
<p>(b) Service tunnel access track use: Alignment, design and materials used on the service tunnel access way track will ensure the track can only be accessed by WCC, Wellington Water or approved contractor vehicles for normal reservoir and park maintenance, servicing and management activities</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.5.2. Reservoir Service Tunnel accessway Track</p>
<p>(c) Culvert for Waitangi Stream: Provision for the safety of track users in the final design of the Waitangi Stream tributary stream culvert that goes underground into the stormwater network.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.5.3. Culvert for Waitangi Stream</p>
<p>LC. 60 Access Track between Upper and Lower Playing Fields</p>		
<p>(a) Landscape design and management of the access track between the upper and lower playing fields must provide for the following: Access way use for walkway and maintenance vehicles: A final reinstatement design for the access way track between the upper and lower field that provides for the use of the access way as part of the park's walking track network and as a route for park maintenance vehicles.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>9.2.6. Access Track between Upper & Lower Playing Fields</p>

<p>(b) Stability and erosion control: An access way design and construction that avoids erosion of the access way surface and any erosion and sedimentation impact on the Papawai stream environment</p> <p>(c) Access way stream edge planting: Planting along the access way stream side edge that protects and strengthens the top of the stream bank adjacent to the access way and the stream crossing at the bottom of the access way</p>		
<p>LC. 61 Licence Area Park Entrances and Edge Design</p>		
<p>Landscape design and management of the licence area's park entrance areas and edges (both with adjacent Town Belt land and residential areas) must provide for the following:</p> <p>(a) Rolleston Street park entrance design: Design of the Rolleston Street road entrance and western upper field edge that provides for access to the pipe tunnel entrance, walking access to the track network and improved sports field parking and vehicle manoeuvring space while not impacting sports field and side line activity, function and maintenance.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.1. Rolleston Street</p>
<p>(b) Upper field northern and southern edges: The northern and southern edges of the upper field may require ground level changes and new planting to successfully integrate the uncompacted and resurfaced field into the undisturbed field edges and incorporate any new drainage and sideline areas for spectators.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.2. Upper Field Edges</p>
<p>(c) Reinstatement of the Hargreaves Street entrance</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.3. Hargreaves Street</p>
<p>(d) Lower playing access from southern car park area: Reinstatement of the driveway and entrance to the lower playing field at the south eastern corner. Access for maintenance is required while stopping public vehicle access onto the field. Parking and manoeuvring space will be designed to maximise public parking for visitors to the park</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.4. Lower Playing Field Access from Southern Carpark</p>
<p>(e) Fencing plan and reinstatement: A fencing plan and list of all fencing to be reinstated and/or newly installed across the site that is fit for purpose and meets WCC parks infrastructure specifications. The fencing will be located, specified and installed in such a way that the maintenance of the fences and the land around them has been considered and is practical.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.5. Fencing Plan and Reinstatement.</p>
<p>LC. 62 Lower playing field flood management, final field design and Papawai Stream edge</p>		

<p>Prior to commencing construction Wellington Water shall investigate (in consultation with the Manager Open Space and Recreation Planning) whether:</p> <p>(a) Flood management: Any feasible options may exist to improve the management of flood events in the Papawai Stream that could avoid or reduce the flow of stormwater over the stream's bund edge onto the field and general seepage through the bund into the field</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.8.1. Lower Playing Field Flood Management</p>
<p>(b) Papawai Stream ecological enhancement: Any feasible options may exist to enhance the ecological function of the stream in conjunction with any flood management enhancements</p> <p>(c) Stream enhancement incorporation in lower playing field reinstatement: Any design solutions arising from (a) and/or (b) could be practically incorporated into works associated with reinstating the lower playing field following the completion of reservoir backfilling.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.8.2. Papawai Stream Ecological Enhancement</p>
<p>Note: The intention of this condition is to ensure that Wellington Water investigate opportunities for improving the flood management of Papawai Stream and the lower playing field edge design and drainage prior to finalising the PFMP and LEMP. Where a feasible option is identified to address these matters, it is expected that this will feature in the final reinstatement design for the lower playing field.</p>		
<p>LC. 63 Draft LEMP and PFMP feedback</p>		
<p>A draft LEMP and PFMP, including any proposed variation to an approved LEMP or PFMP, must be submitted to the WCC Manager Open Space and Recreation Planning for comment and feedback at least 20 working days prior to the final management plan/s being lodged with the CMO for certification.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>4.2. Management Plan Submission & Approval Process.</p>
<p>Note: The intention of this condition set is to ensure that the Manager Open Space and Recreation Planning is consulted prior to preparing any draft LEMP and PFMP for the site, and prior to these draft documents being lodged with the Manager for formal review and feedback. The Manager Open Space and Recreation Planning will have the opportunity to formally comment and provide feedback on any draft LEMP and PFMP prepared by Wellington Water or its contractor/s, prior to these draft documents being finalised and submitted to the CMO for final Manager assessment and approval through the designation condition management plan certification process</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>4.2. Management Plan Submission & Approval Process.</p>

<p>(DC11).</p> <p>In providing feedback or comment on any draft management plans, the Manager will focus on the matters outlined in LC. 55- LC. 61, and can request that any draft management plan is amended or redrafted and/or can require further detail or information to be included in the draft plan prior to it being either resubmitted as a draft plan or submitted for certification.</p> <p>It is expected that the Manager will be informed of any CRG feedback received on any draft plan, and how this has been considered in the draft. This should include details of where feedback has or has not been addressed or incorporated in the draft document, and the reasons for this action.</p> <p>The Manager in responding to any draft management plan must be satisfied that the final outcome of the proposal on the Town Belt is as intended when approval was granted to the licence and easement.</p>		
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Construction Management Plan (CMP) and Earthworks Management Plan (EMP)		Associated Management Plan	Specific Section of the Management Plan
LC. 64	Draft CMP and EMP consultation		
	A draft Construction Management Plan (CMP) and Earthworks Management Plan (EMP), required under designation condition DC 11, or any proposed variation to an approved CMP or EMP, must be prepared in consultation with the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	4.2. Management Plan Submission & Approval Process.
LC. 65	Draft CMP and EMP feedback		

<p>A draft CMP and EMP, or any proposed variation to an approved CMP or EMP, must be submitted to the WCC Manager Open Space and Recreation Planning for comment and feedback at least 20 working days prior to the final management plan/s being lodged with the CMO for certification under Designation Conditions DC 16 and 18.</p> <p>Note: The intention of this condition set is to ensure that the Manager Open Space and Recreation Planning is consulted prior to preparing any draft CMP and EMP for the site, and prior to these draft documents being lodged with the Manager for formal review and feedback.</p> <p>In providing feedback or comment on any draft management plans, the Manager can request that any draft management plan is amended or redrafted and/or can require further detail or information to be included in the draft plan prior to it being either resubmitted as a draft plan or submitted for certification.</p> <p>It is expected that the Manager will be informed of any CRG feedback received on any draft plan, and how this has been considered in the draft. This should include details of where feedback has or has not been addressed or incorporated in the draft document, and the reasons for this action. The Manager in responding to any draft management plan must be satisfied that the final outcome of the proposal on the Town Belt is as intended when approval was granted to the licence and easement.</p> <p>This condition set is necessary to ensure that the development of construction and earthworks management planning does not compromise the final landscape strategy detail, and appropriately provides for the management of all earthworks, material stockpiles and erosion and sediment control measures used within the licence area. The condition is also necessary to ensure that the requirements of any conditions within this licence are appropriately considered and addressed in any CMP. In particular minimising vegetation clearance and suitable protection of identified vegetation and streams will need to be incorporated into the CMP and EMP.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>4.2. Management Plan Submission & Approval Process.</p>
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<p>Temporary Construction Site Area: site fencing</p>	<p>Associated Management Plan</p>	<p>Specific Section of the Management Plan</p>
<p>LC. 66 Fencing plan</p>		

<p>In conjunction with preparing a draft Construction Management Plan (CMP), as required under designation conditions DC.11, 12, 16 and 17, Wellington Water must include in its draft CMP for CMO feedback a plan of all perimeter fencing that will mark or enclose the total extent of site used, or licenced for use, during the construction period. This plan shall include the following information:</p> <p>(a) Location and Type: Fence location, and fencing typology and form (i.e. security fencing, acoustic screening, silt fencing etc)</p> <p>(b) Staging: Fencing staging, where it is anticipated that fencing may be shifted or altered or amended over the course of the reservoir excavation¹ construction, backfill, remediation and site landscape and sport field remediation phases,</p> <p>(c) Installation and removal method: Installation and removal methodology for fencing, intended to minimise damage to vegetation, tree roots and land outside of the licence area licence area.</p> <p>(d) Inspection and maintenance: An inspection and maintenance regime to ensure that fencing is maintained in good order and functioning at all times as intended.</p> <p>(e) Final removal: A requirement for all fencing to be removed within 20 working days of the completion of construction.</p> <p>(f) Fencing retention approval: Any fencing proposed to be retained within the licence area beyond this period must be approved in writing by the Manager Open Space and Recreation Planning.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.7.6. Construction Temporary Fencing</p>
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Litter Management	Associated Management Plan	Specific Section of the Management Plan
<p>LC.67 Responsibility for litter management adjacent to licence area</p> <p>Immediately following the commencement of construction through to the completion of construction and removal of all project related fencing, Wellington Water or its contractor shall be responsible for undertaking regular inspections of all areas immediately adjacent to the licence area and any perimeter fence and collecting and removing any windblown material or rubbish from these areas in accordance with its Duty of Care under LC 8.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>11. Site & Waste Management</p>

Traffic Management, Site Access and Public Access Arrangements		Associated Management Plan	Specific Section of the Management Plan
LC. 68	Draft CTMP, SSTMP and preparation of a draft pedestrian management plan		
	In conjunction with preparing a draft Construction Traffic Management Plan (CTMP), and/or any draft Site Specific Traffic Management Plan (SSTMP) in accordance with designation conditions DC 22 and DC26, a draft Pedestrian Management Plan (PMP) must also be prepared and be incorporated within any CTMP and address the matters within LC 69, 70 and 72.	Construction Traffic Management Plan (CTMP)	6. Pedestrian Management
LC.69	Draft Pedestrian Management Plan consultation		
	Any draft Pedestrian Management Plan (PMP) must be prepared in consultation with the Manager Open Space and Recreation Planning.	Construction Traffic Management Plan (CTMP)	1.4. Objectives
LC.70	Draft pedestrian management plan and CTMP and SSTMP feedback		
	The draft Pedestrian Management Plan must be submitted to the WCC Manager Open Space and Recreation Planning, along with any draft CTMP or SSTMP, for comment and feedback at least 20 working days prior to any final CTMP and SSTMP management plan/s being lodged with the CMO for certification under Designation Conditions DC. 22 and DC. 26.	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
LC.71	Matters to be included in any CTMP and SSTMP		
	Any draft CTMP and SSTMP must, in addition to any designation condition requirements, address:		
(a)	Public safety: All traffic management planning must provide for public safety within and adjacent to the licence area at all times while providing the least possible disruption to public access and use of the walkways within and around the general area.	Construction Traffic Management Plan (CTMP)	1.4. Objectives
(b)	Harrier Club access: Maintenance and management of access to the Harriers Club and lower playing field car parking area, off Salisbury Terrace, along the eastern edge of the lower field, over the course of project and/or during each project stage to provide pedestrian access and public vehicle access to the Harriers Club building. This requirement is detailed further in LC 73.	Construction Traffic Management Plan (CTMP)	6.5.2. Harrier Club Access
(c)	Contractor access to lower playing field: Arrangements for contractor access and parking to the lower playing field area and how this will be managed to avoid disruption of public access to the Harriers Club building, and public walkway access between Westland and Dorking Streets.	Construction Traffic Management Plan (CTMP)	1.4. Objectives

	Exclusion of contractor parking from lower field public car parking area: The exclusion of contractor parking in the public parking area to the south of the lower field.		
LC.72	Matters to be included in any draft Pedestrian Management Plan		
(a)	Any draft Pedestrian Management Plan (PMP) prepared must provide for the following:		
i.	Maintenance and management of public access: The maintenance and management of public access to and around the work site, during construction, including provision for temporary track re-alignments and construction. This shall include a requirement for:	Construction Traffic Management Plan (CTMP)	6. Pedestrian Management
ii.	Track condition and signage monitoring: Temporary tracks and related signage to be inspected monthly	Construction Traffic Management Plan (CTMP)	6.5.3. Temporary Track Plan
iii.	Track defects and repairs: Any defects or repairs to temporary tracks or signage to be fixed by Wellington Water, or its contractor, within 10 working days of identification by either monitoring or receipt of a complaint	Landscape & Ecology Management Plan (LEMP)	6.5.3. Temporary Track Plan
iv.	Reporting: A record of temporary track and signage inspection and repair to be provided to the CLP, including any response to any request for track or signage inspection or repair made by the CLP in response to community or stakeholder feedback	Construction Traffic Management Plan (CTMP)	6.4 PM monitoring
v.	Track signage plan: The development of a track signage plan with details of signage information and signage locations displaying public information and directions for any track detours. This shall include information that will be made available on the Wellington Water and/or WCC websites.	Construction Traffic Management Plan (CTMP)	6.2. Temporary Pedestrian Signage
vi.	Track signage installation: Signs to be required at all tracks that lead to or around the site and at any junctions, with signage to be installed and in place when tracks are available for use.	Construction Traffic Management Plan (CTMP)	6.2. Temporary Pedestrian Signage
vii.	Track signage management: A sign management plan for regular maintenance and updates of the signs for the different phases of the project	Construction Traffic Management Plan (CTMP)	6.2. Temporary Pedestrian Signage
(b)	Temporary track planning and design coordination: New track alignments and construction specifications, approved in writing by the Manager Open Space and Recreation Planning, with specific consideration given to ensuring that:		
i.	Damage minimisation: Realigned track design and location is subject to assessment of effects on existing reserve values. Alignment, specification and construction methodology will be used to limit effects.	Construction Traffic Management Plan (CTMP)	1.4. Objectives

ii.	Fit for purpose: New or realigned tracks are fit for purpose. The minimum standard will be "walking track standard" as defined within the Wellington City Council Open Space Access Plan.	Construction Traffic Management Plan (CTMP)	6.5.3. Temporary Track Plan
iii.	Disruption minimisation: New, realigned or upgraded tracks provide for the least possible disruption to public access through any agreed pedestrian access or track areas at all times throughout the construction phase	Construction Traffic Management Plan (CTMP)	1.4. Objectives
iv.	Integration with track network: Temporary track planning has considered the potential for temporary tracks to become the new tracks at the end of the project to improve alignment, connectivity, gradient and general condition of existing tracks. The LEMP will identify all final tracks and any integration between track network planning and site remediation landscape design.	Construction Traffic Management Plan (CTMP)	6.5.3. Temporary Track Plan
v.	Track location and redesign: Any requirement to amend the agreed location or design of a track is agreed by the Manager Open Space and Recreation Planning.	Construction Traffic Management Plan (CTMP)	6.1 Temporary Track Closures
vi.	Track construction and maintenance: Wellington Water shall be responsible for all temporary track construction, reinstatement and maintenance throughout the construction period.	Construction Traffic Management Plan (CTMP)	6.5.3. Temporary Track Plan
vii.	Temporary track removal and reinstatement: All temporary tracks are removed and reinstated to the satisfaction of Manager, Open Space and Recreation Planning prior to completion of the project (unless otherwise agreed by Manager, Open Space and Recreation Planning through the final approval of the Designation LEMP).	Construction Traffic Management Plan (CTMP)	6.5.3. Temporary Track Plan

Maintenance and reinstatement of access way between Salisbury Terrace and Harriers Club Building		Associated Management Plan	Specific Section of the Management Plan
LC.73	Maintenance of access way to lower playing field.		
	Wellington Water, or its contractor, will be entirely responsible over the duration of the project for the maintenance of the public vehicle access from Salisbury Terrace to the Harriers Club building located on the east side of the Prince of Wales Park lower playing field (the lower field public access way). This will include a responsibility for ensuring that any potholes and other damage resulting from construction of the works are identified and fixed.	Landscape & Ecology Management Plan (LEMP)	8.9. Maintenance and Reinstatement of Access Way
LC.74	Preconstruction condition survey: access way and car parking area		

	At least 20 working days prior to construction commencing Wellington Water, or its contractor, shall carry out a preconstruction condition survey of the lower field public access way and the public car parking area to the south of the lower field, using an appropriately qualified engineer. A report of this survey will be supplied to the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	8.9.1. Preconstruction Condition Survey 7.1.1. Pre-construction Notification Requirements
LC.75	Timeframes for repairing project damage to access way and/or car parking area		
	Wellington Water or its contractor shall repair pot holes or other damage resulting from the project to the lower field public access way and/or car parking area either within 10 working days of being notified to the CLP, the CMO or the Manager Open Space and Recreation Planning, or within any other timeframe otherwise agreed in writing with the Manager Open Space and Recreation Planning.	Landscape & Ecology Management Plan (LEMP)	8.9.2. Accessway and Carparking Inspection.
LC.76	Access way and car parking area inspection following lower playing field remediation		
	Unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, within 20 working days of the completion of the remediation of the lower playing field, Wellington Water or its contractor shall organise with the Manager a joint inspection of lower field public access way and public car parking area to determine and agree whether remedial/repaving work, if any, are required, as a result of the project, to reinstate the access way and/or car parking surface.	Landscape & Ecology Management Plan (LEMP) Construction Environmental Management Plan (CEMP)	8.9.2. Accessway and Carparking Inspection. 7.1.3. Post-Construction Notification Requirements
LC.77	Access way and car parking area remedial works		
	Any agreed remedial or reinstatement works, including repaving, shall be completed and certified by the CMO, prior to the Manager, Open Space and Recreation Planning and the Manager, Sports and Recreation Operations and Contracts, confirming in writing, under designation condition DC42 that the reinstated lower field, and related tracks, retaining walls, fencing and drainage are suitable for organised sports use and public activities to commence.	Landscape & Ecology Management Plan (LEMP)	8.9.3. remedial Works & Costs
LC.78	Access way and car parking area remedial works costs		
	Wellington Water shall meet all fair and reasonable costs of undertaking any agreed remedial and/or reinstatement work/s.	Landscape & Ecology Management Plan (LEMP)	8.9.3. remedial Works & Costs

Preconstruction and New Work Phase Briefings		Associated Management Plan	Specific Section of the Management Plan
LC.79	Works contractor 'start up' briefing		
	Prior to commencing any work on site, Wellington Water, the site manager and the Community Liaison Person (CLP) must coordinate with the Manager Open Space and Recreation Planning to meet, on site, for a briefing that must be attended by any subcontractors on the site.	Construction Environmental Management Plan (CEMP)	7.1.1. Pre-Construction Notification Requirements
LC.80	New work phase and new sub-contractor briefings		
	<p>In addition to the requirements of LC 79, Wellington Water, the site manager and the CLP must also coordinate with the Manager Open Space and Recreation Planning to meet, on site, prior to each new phase of the project beginning, including where any new subcontractor team/s are being mobilised. The following work phases shall involve a contractor briefing prior to commencement, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning:</p> <p>(a) Site clearance and enabling works (including fencing and temporary track planning) phase</p> <p>(b) Reservoir site excavation and associated earthworks</p> <p>(c) Reservoir construction</p> <p>(d) Reservoir backfill earthworks</p> <p>(e) Reservoir site and playing field remediation</p> <p>(f) Site closure and defects period</p>	Construction Environmental Management Plan (CEMP)	7.1.3. During Construction Notification Requirements
LC.81	Record of briefings to be kept		
	<p>Wellington Water, the site contractor or the CLP shall provide a written summary of any site meeting and key issues or matters raised in any briefing, to the Manager Open Space and Recreation Planning and the Community Reference Group (CRG), or CLG as the case may be, for their information and record.</p> <p>Note: The purpose of this condition set is to ensure all parties working on the site are directly informed about the open space and recreation values associated with the site and its surrounds, and of Wellington Water and any contractor's duty of care relating to the management of the site and adjacent areas, including:</p> <ul style="list-style-type: none"> The location and significance of the stream environments running through or adjacent to the site and duty of care to protect these areas 	Construction Environmental Management Plan (CEMP)	5.3. Community Liaison Person (CLP)

<p>v. Contact Details: Contact details for immediately reporting any issues or damage to the fence, any construction activity encroachment beyond the fence line and/or any damage to reserve land or vegetation beyond the fence.</p> <p>(b) Removal: All signage associated with the project must be removed from the reserves after final inspection by the Manager Open Space and Recreation Planning.</p>		
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Existing Park Infrastructure	Associated Management Plan	Specific Section of the Management Plan
<p>LC.83 Preconstruction inspection: parks infrastructure</p> <p>At least 40 working days prior to commencing any work on site the site manager or CLP must, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, arrange a site walkover with the project landscape architect and the Manager Open Space and Recreation Planning to identify and inventory all existing park infrastructure (e.g. gates, barriers, seats, signs, fences, retaining walls, goal posts etc) that must be removed, stored, relocated or disposed of by Wellington Water or its contractor. Any items scheduled for relocation or disposal that will need to be replaced in conjunction with site remediation will be identified.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>LC.84 Draft parks infrastructure inspection and inventory management report</p> <p>A draft report of the parks infrastructure inspection, including an inventory management schedule and plan must be produced by Wellington Water or its contractor, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, and supplied to the Manager Open Space and Recreation Planning for review at least 20 working days prior to commencing any work on site. This draft report shall include</p> <p>(a) Site map: a map of the licence area,</p> <p>(b) Asset schedule: the location and schedule of all identified park assets,</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.10.1. Infrastructure Inventory and Inspection</p>

<p>(c) Images: photographic images of all identified inventoried items, to assist with identification, tracking and management</p> <p>(d) Management plan: a management plan or schedule for each inventoried item, clearly identifying for each asset/s whether it will be:</p> <ul style="list-style-type: none"> i. Removed and relocated, and not replaced as part of future site reinstatement ii. Removed and relocated, and scheduled for replacement as part of future site reinstatement iii. Removed and stored by Wellington Water for future reinstatement iv. Removed and disposed of, and scheduled for replacement as part of future site reinstatement v. Removed and stored by Wellington Water, with a decision to be made by the Manager Open Space and Recreation Planning, prior to commencing site remediation, regarding asset relocation, disposal, reinstatement and/or replacement vi. Retained and managed in situation, including any management plan for the monitoring, protection and maintenance of the asset. 		
<p>LC.85 Parks infrastructure inventory report to be confirmed prior to construction commencing</p>		
<p>A final report of the infrastructure inspection and inventory management schedule must, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, be confirmed in writing by the Manager Open Space and Recreation Planning prior to the commencement of any site clearance, enabling works or construction related activity.</p>	<p>Construction Environmental Management Plan (CEMP)</p>	<p>7.1.1 Pre-construction Notification Requirements</p>
<p>LC.86 Park asset removal, relocation, storage, reinstatement and replacement costs</p>		
<p>Wellington Water shall meet all fair and reasonable costs for removing, relocating, storing, replacing and/or reinstating any park assets within the licence area.</p> <p>Note: This condition set is required to ensure that parks assets within the licence area are jointly inspected by the Manager Open Space and Recreation Planning and Wellington Water, or its contractor, well in advance to the commencement of construction, and that an agreed management plan is developed for asset removal, relocation, storage, disposal, reinstatement and/or future replacement.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.10.1. Infrastructure Inventory and Inspection</p>

<p>It is anticipated that some items will not be able to be removed in a way that would enable them to be appropriately and/or cost effectively reused or reinstated. In these cases, assets will need to be disposed of by Wellington Water.</p> <p>The Manager Open Space and Recreation Planning will discuss and identify items that could be reused either at the site or on another site.</p> <p>It is anticipated that in some instances, the reuse or replacement of some items will not be confirmed until LEMP and PFMP are developed and finalised. The Manager may require the delivery of any items surplus to requirement to the PSR Operations office/yard in Newtown.</p>		
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Lower Playing Field Sports Pavilion		Associated Management Plan	Specific Section of the Management Plan
LC.87	Confirmation whether lower playing field Sports Pavilion will be used		
	Prior to commencing construction Wellington Water or its contractor shall confirm whether the sports pavilion building on the lower field will be needed in support of site operations.	Construction Environmental Management Plan (CEMP)	7.1.1 Pre-construction Notification Requirements
LC.88	Sports Pavilion not required for use -subject to monitoring and management		
	Where the sports pavilion is not required for use, Wellington Water or its contractor shall suitably monitor and protect the building from any use or damage during the construction period. The monitoring and management of the sport pavilion shall be included in the parks infrastructure inspection and inventory management report detailed in LC 84.	Landscape & Ecology Management Plan (LEMP)	8.10.1. Infrastructure Inventory and Inspection
LC.89	Sports Pavilion potentially required for use-subject to monitoring and management		
	Where the sports pavilion is identified is potentially being needed for use, but no timeline has been agreed for when this may occur, Wellington Water or its contractor shall suitably monitor and protect the building from any use or damage. The monitoring and management of the sport pavilion shall be included in the parks infrastructure inspection and inventory management report detailed in LC 84.	Landscape & Ecology Management Plan (LEMP)	8.10.1. Infrastructure Inventory and Inspection
LC.90	Sports Pavilion identified for use-Licence variation required		

	Where the sports pavilion is identified for use, either prior to construction or at any stage throughout the project, Wellington Water or its contractor shall apply in writing to the Manager Open Space and Recreation Planning to vary the licence agreement area to include the pavilion.	Landscape & Ecology Management Plan (LEMP)	8.10.1. Infrastructure Inventory and Inspection
LC.91	Sports Pavilion identified for use-consenting approvals and costs		
	<p>Where the sports pavilion is identified for use, Wellington Water or its contractor shall meet all costs associated with varying this licence to include the use of this building and shall be responsible for obtaining any other required statutory approvals to use the building and any associated costs.</p> <p>Note: The TBA application did not include use of the sports pavilion within the temporary construction area covered by this licence.</p> <p>Acknowledging that the building could be used by the project team during the construction, this condition sets out the terms that would apply to the use of this building.</p> <p>Terms and conditions of use /building inspection, maintenance, repair and/or reinstatement) would form part of any licence consideration and approval process.</p> <p>Wellington Water or its contractor would also need to seek advice on whether any other statutory approvals or consents would be required to vary the development site area to include use of the pavilion,</p>	Landscape & Ecology Management Plan (LEMP)	8.10.1. Infrastructure Inventory and Inspection

Vegetation clearance		Associated Management Plan	Specific Section of the Management Plan
LC.92	Certification of vegetation clearance		
	Following the completion of programmed vegetation clearance from the licence area, described in the CMP, Wellington Water, or its contractor, shall provide certification to the Manager Open Space and Recreation Planning that vegetation clearance has been carried out in accordance with any approved LEMP, CMP and in accordance with any required designation and/or resource consent conditions.	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p>	<p>7.3. Vegetation Removal and Retention.</p> <p>7.1.2. During Construction Notification Requirements</p>

Monitoring, inspection and defects period		Associated Management Plan	Specific Section of the Management Plan
LC.93	Condition and site monitoring		
(a)	Record of site monitoring: The CLP must keep a record of site monitoring associated with the Designation and GWRC conditions and make this available to the CRG.	Landscape & Ecology Management Plan (LEMP)	8.11.4. Monitoring & Inspection Plan
(b)	Monitoring and inspection plan: The LEMP and PFMP must include a monitoring and inspection plan prepared by the Wellington Water Project Landscape Architect with input from their specialists in maintenance of the various areas of the site (eg ecologists, sports turf specialist, landscapers, nursery managers, irrigation designers, engineers etc). The plan must outline:		
i.	key stages of the project where monitoring and inspection is required		
ii.	the intention of inspection and		
iii.	success measures.		
iv.	describe agreed processes for remedy of defects and failed planting including timeframes and re-inspections.		
(c)	Monitoring and inspection parties: Monitoring and inspections required under LC.93(b) will include, the CMO, CLP, the Manager Open Space and Recreation Planning and any others required to properly consider the issues being monitored or inspected, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning.		
(d)	Monitoring and inspection frequency: Monitoring and inspections will occur at a minimum:		
i.	On completion of any area of ground works including tracks, sports fields or other earthworks required to achieve an ecological, amenity or recreation function. This must also be prior to any planting into those completed areas to check ground conditions are suitable for the proposed planting		
ii.	In accordance with any additional monitoring and inspection requirements identified in LC. 93(b)(i), including an annual inspection of completed planting areas.		
LC.94	Final site inspections		

	<p>Wellington Water must arrange a schedule of final site inspections following the completion of construction and site remediation, to be agreed in writing by the Manager Open Space and Recreation Planning, as the site is progressively vacated by the project work and associated contractors. The inspection schedule shall provide:</p> <p>(a) sufficient opportunity for identified issues to be resolved by Wellington Water or its contractor to the satisfaction of the Manager Open Space and Recreation Planning, prior to final site vacation.</p> <p>(b) for final site inspection by the Manager Parks Sports and Recreation Operations and Manager Open Space and Recreation Planning and the Project Landscape Architect.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p> <p>Construction Environmental Management Plan (CEMP)</p>	<p>8.11.5. Final Site Inspections</p> <p>7.1.3. Post-Construction Notification Requirements</p>
LC.95	Defects and liability period - Playing Fields		
	<p>There will be a two seasons defects period on the playing field reinstatement. This means that from the date that the CMO, in consultation with the Manager, Open Space and Recreation Planning, confirms in writing that the reinstated field or fields, and related tracks, retaining walls, fencing and drainage are suitable for organised sports use and public activities to commence, two seasons of sport (i.e. a winter and summer season) will be played on the field/fields to confirm that the fields are performing as anticipated. This may extend beyond the one year timeframe of the Designation condition 42 however it is a more accurate test of the performance of the field/s.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>9.3.1. Deficits & Liability Period – Playing Fields</p>
LC.96	Defects and liability period- New Tracks		
	<p>There will be a defects period of nine months on new track builds and track reinstatement (including the track, surface materials, drainage and any steps, retaining, handrails, boardwalks or bridges) from the date of completion and final sign off by the Manager, Open Space and Recreation Planning. Any defects must be addressed and repaired to the satisfaction of the Manager, Open Space and Recreation Planning within one month of identification of any issue.</p>	<p>Landscape & Ecology Management Plan (LEMP)</p>	<p>8.11.6 Deficits & Liability Period – New Tracks</p>
LC.9	Defects and liability period - Planting		

7	and Landscaping		
Note:	<p>The planting and landscaping defects liability period is five years. While there may be areas that have achieved the success measures outlined in Designation condition 33, Wellington Water will still be liable until the end of the five year period so as to ensure the ground conditions are performing as intended.</p> <p>There is the potential that planting in stabilised slopes, in shallow soils or steep and/or exposed slopes will flourish for a short period before failing. The five year period allows for appropriate monitoring of uncertainty around ground treatment and planting solutions.</p>	Landscape & Ecology Management Plan (LEMP)	8.11.7 Deficits & Liability Period – Planting & Landscaping

3.4. Reference Guide to Management Plans and Sections dealing with WCC NES (Contaminated Land) Consent Conditions

To efficiently locate where in either this document, the CEMP, or the appropriate sub-management plan a particular WCC NES consent condition, is discussed consult Table 4D below. The middle column will indicate which management plan should be consulted, and the far right-hand-side column will confirm the section(s) to refer to.

Table 4D: WCC NES Consent Conditions Reference Guide.

WCC NES Consent SR447741		
General conditions	Associated Management Plan	Specific Section of the Management Plan
<p>(a) The proposed activity as shown on Beca plan 'Overview Plan' Drawing No. 3262332- DA-1001 Rev A dated 29/05/2019, must be undertaken in accordance with the Beca Limited Contaminated Soils Management Plan dated 7 August 2019 (CSMP) and the information provided with the application Service Request No. 447741.</p> <p>Note: The conditions relating to the Omaroro Reservoir Designation Number 135 need to be met and an outline plan(s) submitted as necessary.</p>	<p>Erosion & Sediment Control Plan (ESCP)</p> <p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource</p>	<p>7.5. Contamination</p>

		Management Act 1991.	
Contamination		Associated Management Plan	Specific Section of the Management Plan
(b)	The consent holder must be consistent with the following standards and guidelines: i. Contaminated Land Guidelines No.1 – Reporting on Contaminated Sites in New Zealand (Revised 2011), Ministry for the Environment	Erosion & Sediment Control Plan (ESCP)	7.5. Contamination
(c)	Contaminated Land Guidelines No.5 – Site Investigations and Analysis of Soils (Revised 2011), Ministry for the Environment. A suitably qualified and experienced practitioner (SQEP) must be involved in a pre- earthworks site briefing with the Engineer’s Representative and all personnel involved with the soil disturbance to brief all personnel working on the site of the requirements of the Contamination Soils	Construction Environmental Management Plan (CEMP)	8. Training & Education
(d)	In the event of unexpected contamination and hazardous materials discovery at the site, the Engineer’s Representative shall consult with the SQEP who must comply with the procedure outlined in Section 3.2.3 of the Contaminated Soils Management plan.	Erosion & Sediment Control Plan (ESCP)	7.5. Contamination
Monitoring & Review		Associated Management Plan	Specific Section of the Management Plan
(e)	Prior to starting work the consent holder must advise the Council's Compliance Monitoring Officer of the date when work will begin. This advice must include the address of the property and the Service Request number and be provided at least 48 hours before work starts, either by telephone on 04 801 4017 or email to rcmonitoring@wcc.govt.nz .	Construction Environmental Management Plan (CEMP)	7.1.3. Post-Construction Notification Requirements
(f)	The conditions of this resource consent must be met to the satisfaction of the Council's Compliance Monitoring Officer. The Compliance Monitoring Officer will visit the site to monitor the conditions, with more than one site visit where necessary. The consent holder must pay to the Council the actual and reasonable costs associated with the monitoring of conditions (or review of consent conditions), or supervision of the resource consent as set in accordance with section 36 of the Act. These costs* may include site visits, correspondence and other activities, the actual costs of materials or services, including the costs of consultants or other reports or investigations which may have to be obtained.	No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the	

<p>More information on the monitoring process is available at the following link: http://wellington.govt.nz/services/consents-and-licences/resource-consents/resource-consent-monitoring.</p>	<p>Resource Management Act 1991.</p>	
Notes	Associated Management Plan	Specific Section of the Management Plan
<p>1. The land use consent must be given effect to within 10 years of the granting of this consent, or within such extended period of time pursuant to section 125 of the Act as the Council may allow.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>2. Where appropriate, the Council may agree to reduce the required monitoring charges where the consent holder will carry out appropriate monitoring and reporting back to the Council.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.</p>	
<p>3. This resource consent does not authorise any works that also require consent from the Greater Wellington Regional Council. If necessary, separate resource consent(s) will need to be obtained prior to commencing work.</p>	<p>No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be meet. The agreement to</p>	

		comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	
4.	Construction noise is managed through the construction noise controls set out in NZS 6803:1999 and adoption of a best practicable option approach in accordance with section 16 of the Act, to ensure that the emission of noise from the site does not exceed a reasonable level.	Construction Noise & Vibration Management Plan (CNVMP)	3.1. Noise
5.	It is possible that archaeological sites may be discovered in the course of the proposed work. Evidence of archaeological sites may include burnt and fire cracked stones, charcoal, rubbish heaps including shell, bone and/or glass and crockery, ditches, banks, pits, old building foundations, artefacts of Maori and European origin or human burials. The applicant is advised to contact Heritage New Zealand Pouhere Taonga (HNZPT) if the presence of an archaeological site is suspected. Work affecting archaeological sites is subject to a consent process under the Heritage New Zealand Pouhere Taonga Act 2014. If any activity associated with this proposal, such as building modification or demolition, earthworks, fencing or landscaping, may modify, damage or destroy any archaeological site(s), an authority (consent) from HNZPT must be obtained for the work to proceed lawfully. The Heritage New Zealand Pouhere Taonga Act 2014 contains penalties for unauthorised site damage.	Construction Environmental Management Plan (CEMP)	7.4. Archaeological Management
6.	Rights of objection to the conditions specified above may be exercised by the consent holder pursuant to section 357A of the Act. Any objection shall be made in writing, setting out the reasons for the objection within 15 working days of this notification or within such extended period as the Council may in its discretion allow.	No specific section of the CEMP addresses this condition. Compliance with this condition by HEB Construction is agreed without specifically stating how it will be met. The agreement to comply is given in good faith acknowledging that conditions are enforced under the Resource Management Act 1991.	

3.5. Commencement and Cessation of the Town Belt Act 2016 Licence.

The Town Belt Act 2016 Licence will commence on the date work commences at the site and WCC has been notified in writing pursuant to the pre-construction notification requirements identified in Section 7.1.1. of this document. The Licence will cease (unless terminated earlier) on the date that the construction and landscaping works are complete and the post-construction notification requirements identified in Section 7.1.3. of this document have been adhered to, unless extended by the WCC Manager Open Space and Recreation Planning.

3.6. Management Plan Amendment & Review

Changes to the CEMP and sub-management plans may be necessary after they have initially been approved and construction has commenced. The regulatory permissions allow for plan amendments (Refer Table 5). Amendments are submitted in writing to Council. The Councils require the proposed amendments to be lodged 10 working days prior to any change taking effect (WCC) and 15 working days prior to any change taking effect (GWRC). Amendments cannot be implemented until written certification has been received by Council.

Minor changes associated with erosion and sediment controls can be implemented but must be reported with 2 working days of the change taking effect. Minor changes include:
 Implementation or repositioning of silt fences and super silt fences;
 Implementing or repositioning of diversion bunds, check dams, or inlet protection; and
 Any other minor changes as defined in the ESCP or as otherwise agreed with the Manager

Table 5: Regulatory Permission Conditions allowing Plan Amendments.

Designation 135 Wellington City Council (WCC)	
Condition Number	Description of Condition
DC14	The Requiring Authority may request amendments to any of the management plans required by these conditions by submitting the amendments in writing to the CMO for certification at least 10 Working Days prior to any changes taking effect. Any changes to management plans shall remain consistent with the overall intent of the management plan and relevant conditions and achieve the outcomes required by these conditions. The changes sought shall not be implemented until the consent holder has received the CMO written certification for the relevant management plan(s).
GWRC Consents 35008-10	
Condition Number	Description of Condition
7(d)(v)	Any amendment to the approved CEMP shall be submitted in writing for certification by the Manager at least 15 working days prior to implementing any amendment. Implementation of any amendment shall only occur if the amendment is to the satisfaction of the Manager.
8(l)	Any amendments proposed to the approved ESCP shall be confirmed in writing by the consent holder and be to the satisfaction of the Manager, prior to the implementation of any amendments proposed.
9	Where a minor change to a phase-specific ESCP is required, the consent holder shall notify the Manager in writing within two working days of implementing the change. For the purposes of this condition, a minor change includes:

	<p>a) Implementation or repositioning of silt fences and super silt fences;</p> <p>b) Implementing or repositioning of diversion bunds, check dams, or inlet protection; and</p> <p>c) Any other minor changes as defined in the ESCP or as otherwise agreed with the Manager</p>
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4. Environmental Policy

HEB Construction Ltd take their environmental responsibilities seriously. Figure 6 sets out the Safety, Quality and Environmental policies which will guide the construction of this Project (a larger version is available in Appendices 7). 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. The implementation of this CEMP will assist in achieving these policies during the construction of the Project.

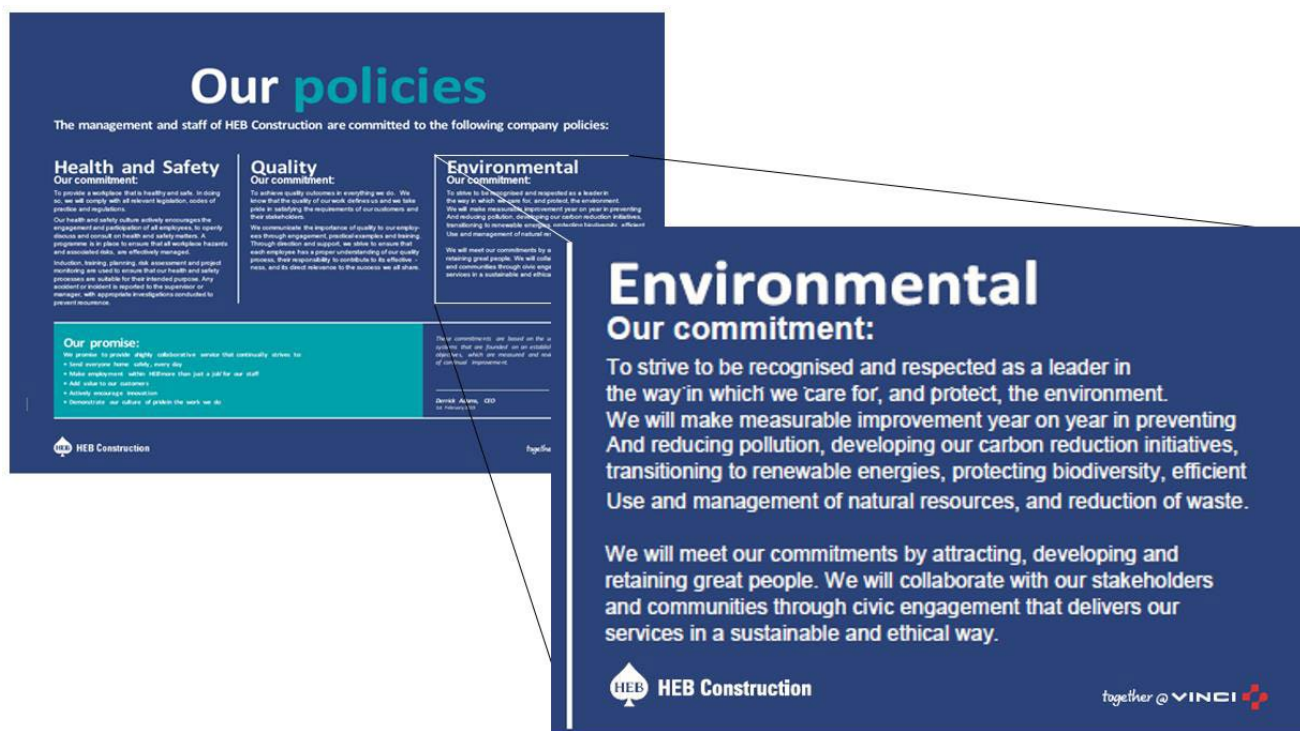


Figure 6: HEB Construction SQE Policies (Larger Document attached – Appendix 7).

4.1. “Duty of Care”

Wellington City Council through the Town Belt Act 2016 Licence conditions have introduced a notion referred to as “The Duty Care” (Refer Table 6). The “Duty of Care is introduced in Condition LC.8 and supported by Conditions LC.67 (Responsibility for litter management adjacent to licence area), LC.81 (Record of briefings to be kept) and LC.82 (Signage Installation and Removal). The onus of the “Duty of Care is on Wellington Water and the Contractor (HEB Construction Ltd).

Table 6: Regulatory Permission relating to “Duty of Care”.

Town Belt Act 2016 Licence Wellington City Council (WCC)	
Condition Number	Description of Condition

LC.8	<p>Wellington Water and contractor duty of care. Wellington Water and all its contractors and employees shall, at all times, take all practicable measures to:</p> <ol style="list-style-type: none"> a) Avoid any disturbance to the reserve land and vegetation outside of the licence area both during the construction and maintenance periods for the licenced works, b) Minimise any disturbance to members of the public within the Town Belt, outside of the licence area, both during the construction and maintenance periods for the licenced works, c) Avoid any disturbance to any streams within the Town Belt.
LC.67	<p>Responsibility for litter management adjacent to licence area. Immediately following the commencement of construction through to the completion of construction and removal of all project related fencing, Wellington Water or its contractor shall be responsible for undertaking regular inspections of all areas immediately adjacent to the licence area and any perimeter fence and collecting and removing any windblown material or rubbish from these areas in accordance with its Duty of Care under LC 8.</p>
LC.81	<p>Record of briefings to be kept Wellington Water, the site contractor or the CLP shall provide a written summary of any site meeting and key issues or matters raised in any briefing, to the Manager Open Space and Recreation Planning and the Community Reference Group (CRG), or CLG as the case may be, for their information and record.</p> <p>The purpose of this condition set is to ensure all parties working on the site are directly informed about the open space and recreation values associated with the site and its surrounds, and of Wellington Water and any contractor's duty of care relating to the management of the site and adjacent areas, including:</p> <ul style="list-style-type: none"> • The location and significance of the stream environments running through or adjacent to the site and duty of care to protect these areas • The significance of any vegetation within or adjacent to the site, including any areas that must be retained and duty of care to avoid damage to identified areas • Any specific management requirements for fauna or avifauna within or adjacent to the site, and duty of care to avoid disturbance to any identified sensitive areas • Reporting requirements for any incidents • Litter management requirements • Any requirements for maintaining and protecting walking tracks and public access around the site edges • Any requirements for maintaining access to the Harriers' Club building
LC.82iv	<p>Signage installation and removal Duty of Care: Wellington Water and the contractors Duty of Care to areas beyond the fence line including: That no materials related to the construction activity shall be stored or allowed to encroach beyond the fence A requirement to collect and remove litter in any area immediately adjacent to the site, without damage to that area</p>

- The "Duty of Care" is supported and reinforced by the following measures:
1. Landscape & Ecology Management Plan provisions.
 2. Erosion & Sediment Control Plan provisions.
 3. Construction Traffic Management Plan provisions.

4. Construction Noise & Vibration Management Plan provisions.
5. Section 11 of the CEMP (Site & Waste Management)
6. Section 8 of the CEMP (Training & Education)

All staff working on the Project will complete an induction before they can start work. The induction will include information on the “Duty of Care”. The “Duty of Care” induction content will be developed with WCC in order to properly capture what is required.

5. Roles and Responsibility

The Project roles and key responsibilities associated with those positions defined within the CEMP are set out in Table 7. The requirement to provide this information comes from:

- Condition 7(a) GWRC Consents;
- Condition DC.17(n) WCC Designation;
- (LC.4A) TBA Licence.

Table 7: Roles and Responsibility for Implementing the CEMP.

Position	Contact Details	Principal Responsibilities
Full Time / On Site		
Contract Manager	James Lake HEB Construction Ltd E: james.lake@heb.co.nz M: 027 450 7239	<ul style="list-style-type: none"> • Principal Project contact for Wellington Water, WCC, GWRC, CRG and DoC. • 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 the Compliance Manager or other Council representatives for inspections if required subject to receiving the appropriate site induction and health and safety briefings. • Implementation of the CEMP and sub management and mitigation plans onsite.
Project Engineer	Mark O'Hare HEB Construction Ltd E: mark.ohare@heb.co.nz M: 027 306 6341	<ul style="list-style-type: none"> • Principal Earthworks Management. • Collation of Project environmental monitoring data.

Routinely on Site / Based Remotely		
Southern Environmental Manager	<p>Elisa Chillingworth HEB Construction Ltd E: elisa.chillingworth@heb.co.nz M: 027 488 8151</p>	<ul style="list-style-type: none"> • Specialist Environmental Advisory and support. • Project Ecologist and Landscape support. • Provision of Environmental Training (Erosion and Sediment Control, Management of Hazardous Substances, Archaeological site Management, Emergency Spill Response. • Completion of monthly project environmental management reports. • Completion of routine monthly environmental inspections. • Completion of routine monthly construction noise monitoring. • Priority on-site compliance assistance as required.
On-call/ Based Remotely		
Chemical Treatment Specialist	<p>Dr. Chris Wilcox HEB Construction Ltd E: chris.wilcox@heb.co.nz M: 021 181 9105</p>	<ul style="list-style-type: none"> • Provision of Chemical Treatment/Dewatering Training for Project team. • Completion of routine 6 monthly chemical treatment audits. • Priority on-site compliance assistance as required.
National Environment Manager	<p>Simon Cathcart HEB Construction Ltd E: simon.cathcart@heb.co.nz M: 027 838 5127</p>	<ul style="list-style-type: none"> • Principal Project liaison with Heritage NZ. • Completion of routine 6 monthly environmental audits. • Completion of routine 6 monthly environmental management system reviews. • Priority on-site compliance assistance as required.

		<ul style="list-style-type: none"> Specialist Resource Management and Planning assistance as required.
Project Ecologist	Stephen Fuller Boffa Miskell Ltd E: Stephen.fuller@boffamiskell.co.nz P: (04) 385 5798	<ul style="list-style-type: none"> Specialist Ecological (Avifauna, Lizards) assistance as required.
Community Liaison Person (CLP)	Dan Ormand Latitudes Strategy & Communication E: Dan@latitudesc.co.nz M: 027 251 9849	Refer to Section 5.3 Community Liaison Person (CLP)
Community Reference Group (CRG)	Jane Black Independent Chairperson E: jane@people-places.co.nz M: 027 249 1867	Refer to Section 5.2 Community Reference Group (CLP)
Traffic Management	Ryan Dunn Tonkin & Taylor Ltd E: RDunn@tonkintaylor.co.nz M: 021 146 3226	Refer to Section 7.12 Construction Traffic Management
Health & Safety Advisor	Niki Henderson HEB Construction Ltd E: nicola.henderson@heb.co.nz M: 027 590 9841	<ul style="list-style-type: none"> Completion of routine monthly safety site inspections, development of actions for remediation of any issues identified.

5.2. Construction Team

The Management Team associated with the delivery of the construction Project is illustrated in an Organisational Chart (Refer Appendix 8). Supporting the Project in an environmental capacity are Elisa Chillingworth, Dr. Chris Wilcox, and Simon Cathcart. A brief summary of each member of the team follows.

Elisa Chillingworth is based in Christchurch and is one of HEB Construction's 2 full time Regional Environmental Managers. Elisa is responsible for the Southern Island and Wellington but due to her specialization in marine ecology management he lends support to Projects across NZ. Elisa brings six years' experience in environmental advisory roles.

As HEB's Southern Environmental Manager she was seconded to the Kaikōura Earthquake Rebuild and worked on Tunnel 21 MNL Resilience Improvements. Her responsibilities included ensuring compliance with all resource consent conditions and working on environmental issues such as: erosion and sediment controls, ecology, storm-water quality, noise and vibration. Her Bachelor of Science (Hons), focused in Animal Biology from The Nottingham Trent University where she developed a combination of theoretical and practical studies to ensure knowledge and understanding, as well as technical skills, has direct relevance to protecting the local wildlife on projects she is assigned to; like her experience with sensitive seal populations in Kaikoura.

Dr. Chris Wilcox is based in Auckland and is another of HEB Construction's 3 full time Regional Environmental Advisors. Chris is responsible for the Auckland Region but due to his specialization in water quality management he lends support to Projects across NZ. Chris brings four years' experience in environmental and water quality advisory roles. Chris has a PhD in Chemistry from the University of Auckland and has been in the environmental and water treatment space for construction and earthworks since before he finished his PhD. Chris has been with HEB Construction since 2019 and prior to that worked for an erosion control company developing their water treatment chemical plans.

Simon Cathcart is based in the Waikato and is HEB Construction's National Environmental Manager. The management of all on-site environmental controls will be supported by him. Simon has

been HEB Constructions National Environmental Manager for the last 4 years and worked as the Environmental Manager on 3 Sections of the Waikato Expressway (Roads of National Significance), Te Rapa Section, Cambridge Section and then the Huntly Section where he was also responsible the planning, design, implementation, operation, and monitoring of all environmental controls. Simon has a Master of Science Degree (MSc (Hons)), Environmental Science from the University of Auckland and has over 20 years' experience working in the environmental management and compliance field. Like Elisa, Simon has in recent years spent most of his time working on large multidisciplinary infrastructure projects.

5.2. Community Reference Group (CRG).

The Community Reference Group (CRG) has been formed pursuant to Condition LC.39 of the WCC TBA Licence. Their purpose (LC.45) is to:

- To provide a forum for community and stakeholder involvement through which any issues of community interest or concern can be raised and responded to in relation to the construction of the reservoir.
- To provide a forum for Wellington Water to inform the CRG and its members about progress with management plans and to provide the primary opportunity for feedback on any draft management plan or outline plan prior to submission to the CMO or WCC.
- To consider issues relating to compliance with designation and licence conditions, including management plans and outline plans
- To consider education opportunities associated with the project.

The CRG's Terms of Reference, Membership, Management and Administration of the CRG is covered in Conditions LC.40-46. HEB Construction's role is to update, inform and support the CRG while they complete the construction. Disestablishment of the CRG takes place pursuant to Condition LC.49 of the WCC TBA Licence. Disestablished follows the completion of construction, including site and playing field remediation, and the expiry of any related defect liability and landscape/planting maintenance period associated with the Project.

5.3. Community Liaison Person (CLP).

The Community Liaison Person (CLP) is a role required by Condition DC.7 of the Designation and LC.38(b) and conditions LC.46(a) to (c) of the TBA Licence. The role is not fulfilled by HEB Construction Ltd and is independent of the Project's construction team. The CLP is appointed by Wellington Water.

The CLP is responsible for:

- Proactively engaging with stakeholders and the community throughout the construction phase of the reservoir;
- Arranging a community BBQ with residents, Project staff and contractors prior to the commencement of construction;
- Attending CRG meetings, and presenting draft management plans to the CRG for feedback, prior to submission to the CMO;
- Working with the CRG to identify opportunities for the Project to create education opportunities associated with the project;
- Working alongside the CRG Chairperson and the CMO
- **Meeting minutes:** Taking and producing minutes and supplying this back to the CRG in an acceptable timeframe agreed to by the CRG;
- **CRG coordination:** Working with the CRG Chair and coordinating all CRG meetings and coordinating any Wellington Water and Wellington City Council responses to issues raised by the chair or through the CRG. This shall include but not be limited to gathering of information, arranging site meetings and pre-circulating agenda and meeting materials to be received by CRG members at least 3 working days prior to each meeting or in accordance with any longer timeframe as directed by Wellington Water or any contractor.
- **CRG meeting feedback to contractor:** Ensuring that the CRG chair and members are aware;
- **CRG feedback to contractor at CRG meetings:** That CRG meetings will act as the primary

opportunity for CRG feedback to any draft plans or documents prepared by Wellington Water or any appointed contractor, and capturing and relaying any feedback received to Wellington Water and/or any contractor;

- **Wellington Water and Contractor milestone schedule:** Of any milestone schedule and critical path milestones that Wellington Water and/or the contractor is working to, to assist with meeting planning and scheduling and feedback management and coordination on any draft management plans

5.4. Community Liaison Group (CLG).

The Community Liaison Group can be established pursuant to Condition 8 of the WCC Designation 135 in the event that the CRG is not established. It is by nature a contingency condition. The CLG has not been established due to the presence of the CRG.

6. Environmental Management System

This CEMP details the system in place to deliver compliance against the legislative and contractual obligations of the Project. HEB Construction implements ISO14001 Environmental Management System across their business operations (Refer Appendix 9 for a full copy of the ISO 14001 Certification). This CEMP meets the needs of ISO14001 for this project.

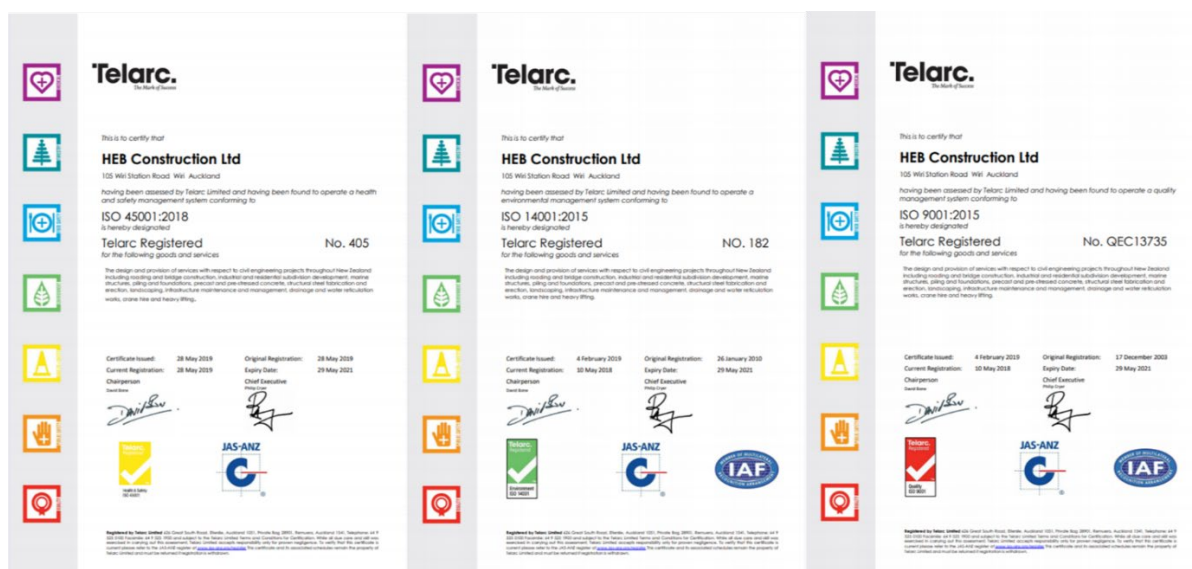


Figure 7: ISO 45001:2018, ISO14001:2015, and ISO9001:2015 (Full Documents– Appendix 9).

7. Implementation and Operation

This section of the CEMP outlines how the conditions of the regulatory permissions will be managed by the Project delivery team. Tables 4A-4D have previously identified the various regulatory permissions in the form of Resource Consents, Designation, and Licence. The following sections of the CEMP explain the way these conditions will be met.

7.1. Notifications to External Regulatory Stakeholders

This section of the CEMP outlines how notifications conditions associated with the external regulatory stakeholders (WCC/GWRC) will be managed through three (3) separate phases of the Project (Pre-construction, During Construction and Post Construction).

7.1.1. Pre-Construction Notification Requirements.

Table 8 illustrates the actions that are required to comply with pre-construction related notifications.

Table 8: Pre-Construction Notification Requirements.

GWRC Consents 35008-10		
Condition Number	Condition Description	What is Required for Construction to Commence
3	The Manager shall be given a minimum of two working days (48 hours) notice prior to the works commencing.	Time Sensitive Email Project Manager to email and advise the CMO of the intention for works to commence. A minimum of 48 hours notice is required.
6	The consent holder shall arrange and conduct a pre-construction site meeting prior to any work authorised by this consent commencing on site and invite, with a minimum of 10 working days' notice, the Greater Wellington Regional Council and all contractor(s) undertaking the works.	Time Sensitive Meeting Invitation Project Manager to arrange a pre-construction site meeting prior to any works commencing on site. Invitees will include - WCC/GWRC compliance staff and representatives of all sub-contractors. A minimum of 10 working days notice is required.
8	The consent holder shall prepare, in consultation with the contractor(s) and engineer(s) undertaking the works, a final Erosion and Sediment Control Plan (ESCP). The ESCP shall be submitted to the Manager for approval at least 20 working days prior to any works starting onsite.	Time Sensitive Plan Submission Project Manager to submit a final ESCP for approval to GWRC at least 20 working days prior to any works starting onsite.
9	At least 20 working days prior to the commencement of works on site, the consent holder shall submit a phase-specific ESCP to the Manager for certification. The phase-specific ESCP shall be consistent with the final ESCP submitted in accordance with condition (8).	Duplicated Action (Condition 8) Project Manager to Submit a final ESCP for approval to GWRC at least 20 working days prior to any works starting onsite. Note: No phase-specific ESCP will be produced.
10	The consent holder shall prepare, in consultation with a suitably qualified and experienced flocculant professional, a final Flocculation Management Plan (FMP). The FMP shall be submitted to the Manager for approval at least 20 working days prior to the commencement of earthworks.	Duplicated Action (Condition 8) Project Manager to submit a final ESCP for approval to GWRC at least 20 working days prior to any works starting onsite. Note: a separate FMP is not being produced, instead the ESCP will contain the required information.
GWRC Consent WGN200317 – Culvert Extension		
3	The Manager, Environmental Regulation, Wellington Regional Council, shall be given a minimum of two working days (48 hours) notice prior to the works commencing.	Time Sensitive Email Project Manager to email and advise the CMO of the intention for works to commence. A minimum of 48 hours notice is required.
WCC Designation 135		
Condition	Condition Description	What is Required for Construction to Commence
DC.4	The Requiring Authority shall submit to the Council's Compliance Monitoring Officer (CMO) at least 2 months prior to commencement of construction, a detailed programme outlining:	Time Sensitive Email Project Manager to email and advise the CMO of the programme of works including dates for management plan submissions. A minimum of 2

	<p>a) The proposed staging of the works</p> <p>b) The anticipated submission dates of the management plans and outline plans required by these conditions.</p>	months notice is required.
DC.5	Prior to commencing any construction works, the Requiring Authority shall arrange and conduct a pre-construction site meeting with the contractor (at a minimum the Project Manager and Site Manager) undertaking the works and invite, with a minimum of 10 working days' notice, WCC's CMO and any other key WCC representatives determined by the CMO.	Duplicated Action (GWRC Condition 6)
DC.6	An Outline Plan/s shall be submitted to the Territorial Authority for each stage of works, unless a waiver for this requirement is provided in writing by the WCC Resource Consents Team.	Condition Waiver submission A Waiver for Condition 6 will be sought on the basis that the CEMP content is both sufficiently relevant and thorough enough to fulfil the requirements of an outline plan.
DC.18(a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit an Earthworks Management Plan (EMP) to the CMO for certification	Duplicated Action (GWRC Condition 8) Note: a separate EMP is not being produced, instead the ESCP will contain the required information.
DC.22(a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a Construction Traffic Management Plan (CTMP) to the CMO for certification.	Time Sensitive Plan Submission Project Manager to submit a CTMP for approval to WCC at least 15 working days prior to any works starting onsite. Note 1: This condition is linked with WCC TBA Licence condition LC.70. That condition requires a 20 working day period. Consequently, this action should reflect the long period of 20 days.
DC.28(a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a CNVMP to the CMO for certification.	Time Sensitive Plan Submission Project Manager to submit a CNVMP for approval to WCC at least 15 working days prior to any works starting onsite.
DC.32(a)	At least 15 Working Days prior to Commencement of Construction or vegetation removal, the Requiring Authority shall submit a Landscape & Ecology Management Plan (LEMP) to the CMO for certification.	Time Sensitive Plan Submission Project Manager to submit a LEMP for approval to WCC at least 15 working days prior to any works starting onsite.
DC.33(b)	Confirmation of an appropriate buffer between the earthworks and waterways including confirmation of waterway location by longitudinal and cross-section survey.	Provision of Information Project Manager will email the CMO providing a confirmation of the required buffer zone in the form of a surveyed drawing (Refer to Section 8.1 Buffer Zones of the LEMP).

DC.33(h)	Where any vegetation is required to be removed from Seral Forest B, the Requiring Authority shall provide the CMO with a written explanation for why the removal is needed.	Provision of Information Project Manager will email the CMO providing an explanation of why any vegetation is to be removed from Seral Forest B (Refer to Section 7.3.3 Seral Forest of the LEMP).
DC.38(a)	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall submit a Playing Field Management Plan (PFMP) to the CMO for certification.	Duplicated Action (Condition 33(b)) Project Manager to submit a final LEMP for approval to WCC at least 15 working days prior to any works starting onsite. Note: a separate PFMP is not being produced, instead the LEMP will contain the required information.
DC.43	At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall, in consultation with Port Nicholson Block Trust and Te Rūnanga o Toa Rangātira Inc, prepare an accidental discovery protocol and provide a copy to the CMO and GWRC for information at the time the CEMP is submitted. The protocol shall be implemented in the event of accidental discovery of cultural or archaeological artefacts or features during construction of the Project.	Provision of Information. Project Manager to include within the CEMP protocols for managing the accidental discovery of cultural or archaeological artefacts or features during construction (Refer to Section 7.4 Archaeological Management of the CEMP).

WCC Town Belt Act Licence 1

Condition	Condition Description	What is Required for Construction to Commence
LC.38(c)	CRG feedback: A requirement for any appointed contractor, through the CLP, to seek feedback from the Community Reference Group (CRG), appointed under LC.39, or from any Community Liaison Group (CLG), appointed under designation conditions, at least 7 working days prior to finalising and lodging any draft management plan/s, outline plan/s or any draft amendment/s to the designation with either the Manager Open Space and Recreation Planning or the CMO, as may be required either under designation conditions or the terms of this licence.	Time Sensitive Consultation Project Manager to seek feedback from the CRG via the CLP regarding draft management plans. 7 working days must be afforded to the CRG.
LC.38(d)	CRG engagement and programme milestones: A requirement for any appointed contractor, through the CLP, to engage with the Community Reference Group (CRG) prior to commencing any management plan development or community engagement to advise the CRG of its schedule of milestones for draft management plan development, CRG	Provision of Information. Project Manager to provide a programme of management plan drafting, consultation, feedback, and approval to the CRG via the CLP.

	engagement and feedback under (c), management plan finalisation, and construction commencement, and completion.	
LC.38(e)	Circulation of materials to CRG: A requirement for any appointed contractor, through the CLP, to ensure material circulated to the CRG for feedback under (c), (d) and (f), is pre-circulated prior to any scheduled CRG meeting and provides an appropriate, fair and reasonable time period for CRG members to review and respond to the material being provided. In considering an appropriate pre-circulation period, the contractor must consider the nature, scope, complexity and importance of any materials being circulated. In setting an appropriate pre-circulation period for any materials to be reviewed by the CRG at a minimum pre-circulated material must be received by CRG members at least 3 working days prior to any scheduled CRG meeting.	Time Sensitive Provision of Information. Project Manager to provide materials to be reviewed by the CRG at least 3 working days prior to any scheduled CRG meeting. Information provided to the CRG via the CLP.
LC.38(f)	Response to CRG feedback: A requirement for any appointed contractor, through the CLP, to report back to any CRG, or CLG as the case may be, with the contractor's and/or Wellington Water's response to any feedback provided by the CRG or CLG on any document consulted on under (c), along with any amended draft or final documentation lodged with the Manager Open Space and Recreation Planning or the CMO. This shall occur either within 20 working days of lodging any material with the Manager Open Space and Recreation Planning or the CMO, or within any other time frame that is agreed with the CRG or CLG.	Time Sensitive Provision of Information. Project Manager to provide to the CRG via the CLP responses to any feedback provided by the CRG on any document consulted on. This shall occur either within 20 working days of lodging any material with the WCC/GRWC or within any other time frame that is agreed with the CRG.
LC.50	As soon as practicable after the confirmation of this licence agreement, and prior to submitting any draft management or outline plans to the WCC CMO and/or Manager Open Space and Recreation Planning for feedback or approval, and prior to commencing any work on the site, Wellington Water or its contractor must provide the Manager Open Space and Recreation Planning with a draft schedule of milestones for review, negotiation and confirmation.	Time Sensitive Provision of Information. Project Manager to provide to the Manager Open Space and Recreation Planning with a draft schedule of milestones for review, negotiation and confirmation.

LC.51	<p>Any draft milestone schedule must:</p> <ol style="list-style-type: none"> Outline key milestones and timeframes at which feedback or approvals will be required from the Manager Open Space and Recreation Planning, and Clearly define any critical path milestones that the Manager Open Space and Recreation Planning must be aware of. Align with any information or approvals process/es that are required as a condition of this licence or as part of any designation or resource consent related to the project. 	<p>In Conjunction with LC.50 Content requirements associated with the submission of Milestones to the Manager Open Space and Recreation Planning.</p>
LC.70	<p>The draft Pedestrian Management Plan must be submitted to the WCC Manager Open Space and Recreation Planning, along with any draft CTMP or SSTMP, for comment and feedback at least 20 working days prior to any final CTMP and SSTMP management plan/s being lodged with the CMO for certification under Designation Conditions DC. 22 and DC. 26</p>	<p>Duplicated Action (WWC Condition DC.22(a)) Note 1: a separate PMP is not being produced, instead the CTMP will contain the required information. Note 2: There is a provision of 20 working days with this action not the 15 working days associated with DC.22(a). Consequently the longer period of time will be afforded.</p>
LC.74	<p>At least 20 working days prior to construction commencing Wellington Water, or its contractor, shall carry out a preconstruction condition survey of the lower field public access way and the public car parking area to the south of the lower field, using an appropriately qualified engineer. A report of this survey will be supplied to the Manager Open Space and Recreation Planning.</p>	<p>Time Sensitive Provision of Information. Project Manager to provide to the Manager Open Space and Recreation Planning with a preconstruction condition survey and report of the lower field public access way and the public car parking area to the south of the lower field. The report must be supplied At least 20 working days prior to construction commencing.</p>
LC.79	<p>Prior to commencing any work on site, Wellington Water, the site manager and the Community Liaison Person (CLP) must coordinate with the Manager Open Space and Recreation Planning to meet, on site, for a briefing that must be attended by any subcontractors on the site.</p>	<p>Duplicated Actions associated with GWRC Condition 6 and WCC Designation condition DC.5</p>
LC.83	<p>At least 40 working days prior to commencing any work on site the site manager or CLP must, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, arrange a site walkover with the project landscape architect and the Manager Open Space and Recreation Planning to identify and inventory all existing park infrastructure (e.g. gates, barriers, seats, signs, fences, retaining walls, goal posts etc) that must be</p>	<p>Time Sensitive Meeting Invitation Project Manager to arrange a pre-construction site meeting prior to any works commencing on site with the Manager Open Space and Recreation Planning (WCC). A minimum of 40 working days notice is required. Note: The purpose of the meeting is to identify and inventory all existing park infrastructure (e.g. gates, barriers, seats, signs, fences,</p>

	removed, stored, relocated or disposed of by Wellington Water or its contractor. Any items scheduled for relocation or disposal that will need to be replaced in conjunction with site remediation will be identified.	retaining walls, goal posts etc) that must be removed, stored, relocated or disposed of the Construction team.
LC.85	A final report of the infrastructure inspection and inventory management schedule must, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, be confirmed in writing by the Manager Open Space and Recreation Planning prior to the commencement of any site clearance, enabling works or construction related activity.	In Conjunction with LC.51 A written confirmation of the infrastructure inspection and inventory management schedule must be received from the Manager Open Space and Recreation Planning prior to the commencement of any site clearance, enabling works or construction related activity.
LC.87	Prior to commencing construction Wellington Water or its contractor shall confirm whether the sports pavilion building on the lower field will be needed in support of site operations.	Time Sensitive Email Project Manager to email and advise the Manager Open Space and Recreation Planning whether the sports pavilion building on the lower field will be needed in support of site operations. This advice must be provided prior to the commencement of construction.

7.1.2. During Construction Notification Requirements.

Table 9 illustrates the actions that are required to comply with during construction related notifications.

Table 9: During Construction Notification Requirements.

GWRC Consents 35008-10		
Condition Number	Condition Description	What is Required for Construction to Commence
9	Where a minor change to a phase-specific ESCP is required, the consent holder shall notify the Manager in writing within two working days of implementing the change. For the purposes of this condition, a minor change includes: <ul style="list-style-type: none"> • Implementation or repositioning of silt fences and super silt fences; • Implementing or repositioning of diversion bunds, check dams, or inlet protection; and • Any other minor changes as defined in the ESCP or as otherwise agreed with the Manager. 	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – minor ESC amendments to be notified to CMO within 2 working days of their implementation.
27	In the event of a spill of fuel, hydraulic fluid, or other potential liquid contaminants, immediate steps shall be taken to contain the spilt contaminant. The spilt contaminants	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – a spill of fuel, hydraulic fluid, or other

	and any materials used to contain it shall be removed from the site and disposed of at an authorised landfill. The consent holder shall also immediately notify the Manager of the spill and actions taken.	potential liquid contaminants to be notified to CMO immediately.
28	If koiwi, taonga, waahi tapu or other archaeological material is discovered in any area during the works, work shall immediately cease and the consent holder shall notify Greater Wellington Regional Council, Port Nicholson Block Settlement Trust, Te Rūnanga o Toa Rangatira Inc. and Heritage New Zealand as soon as possible but within twenty four hours. If human remains are found, the New Zealand Police shall also be contacted.	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – If koiwi, taonga, waahi tapu or other archaeological material is discovered in any area during the works multiple notifications will take place within 24 hours (Refer Section 7.4 of CEMP).
30	For the period of time when water is extracted from the reservoir excavation site, the consent holder shall record: <ul style="list-style-type: none"> • The pump rate; • The date and time of each pumping commencement and completion; and • Any change in the pump rate. This record shall be maintained at the site and shall be made available to any officer of the Greater Wellington Regional Council upon request. The record shall be submitted to the Manager at the end of each calendar month.	Routine Provision of Monitoring Information. Reservoir excavation site dewatering environmental monitoring information to be submitted to the CMO at the end of each calendar month.
31	In the event of the visible flow of any surface water body near the dewatered excavation site being depleted by the dewatering activity, the consent holder shall: <ol style="list-style-type: none"> a) Immediately cease the dewatering activity; and b) Notify and liaise with Greater Wellington Regional Council to establish what actions should be undertaken and when the take can recommence. 	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – If the visible flow of any streams near the dewatered excavation site appears to have been reduced/depleted by the dewatering activity. The CMO will be notified within 48 hours of the discovery.
32	The Manager shall be notified within two working days (48 hours) when the reservoir excavation site has been sealed and water is no longer being taken, treated and discharged from the excavation. (Sealing of the excavated reservoir area is defined as the installation of a permanent slab and sealing of the walls to significantly reduce or prevent groundwater inflows	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – when the reservoir excavation site has been sealed and water is no longer being taken, treated and discharged from the excavation. The CMO will be notified within 48 hours of these circumstances occurring.

	into the reservoir area.)	
34	The results of the audits as required by condition (33) (1. A weekly basis, and 2. After a rainfall event of greater than 20mm in a 24-hour period, or 7mm in a one hour period, as measured at the Greater Wellington Regional Council's 'Newtown at Mansfield Street' rainfall monitoring site) shall be submitted to the Manager no later than five working days following the audit.	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – If the site receives a rainfall event of greater than 20mm in a 24-hour period, or 7mm in a one hour period and the Sediment Retention Ponds discharge then environmental monitoring results will be provided to the CMO no later than five working days following the audit. Alternatively – following a week audit the results will be provided to the CMO no later than five working days following the audit.
40	The consent holder shall maintain a written record of any complaints received alleging adverse effects from or related to the exercise of this consent, for the duration of works authorised by this consent. Complaints received shall be forwarded to the Manager within 24 hours of receiving the complaint.	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – If the site receives a complaint alleging adverse effects from or related to the exercise of this consent the CMO will be notified within 24 hours of receiving the Complaint (Refer Section 10 of the CEMP).
41	The consent holder shall notify the Greater Wellington Regional Council immediately if any contaminants (including sediment) are released from the site and enter any watercourse.	Time sensitive and circumstantial driven notification to GWRC Trigger event/circumstance – If any contaminants (including sediment) are released from the site and enter any watercourse. The CMO will be notified immediately.

WCC Designation 135

Condition	Condition Description	What is Required for Construction to Commence
DC.26	The Requiring Authority shall submit Site Specific Traffic Management Plans (SSTMP) to the CMO for certification at least 5 Working Days prior to commencement of the relevant traffic management works.	Time Sensitive Plan Submission Traffic Manager to submit a SSTMPs for approval to WCC at least 5 working days prior to commencement of the relevant traffic management works.

WCC Town Belt Act Licence 1

Condition	Condition Description	What is Required for Construction to Commence
LC.10	At least 40 working days prior to the completion of construction, which includes the restoration of the reservoir site and sports fields including the completion of any landscape works and planting (not including any further planting that may be required as part of the maintenance	Time Sensitive Plan Submission Wellington Water to submit a draft easement document to the Manager Open Space and Recreation Planning for review and negotiation at least 40 working days prior to the completion of construction.

	and monitoring period), Wellington Water will be required to prepare and submit a draft easement document to the Manager Open Space and Recreation Planning for review and negotiation.	
LC.17	If required by the Manager Open Space and Recreation Planning the planning and implementation of works required under LC. 15 (Stream reinstatement and offset works) shall occur in consultation with any landscape architect and/or ecologist appointed by the Manager Open Space and Recreation Planning.	<p>Circumstantial driven consultation with WCC.</p> <p>Trigger event/circumstance – If stream reinstatement and offset works (resulting from LC.15) are required the Project Manager will consult with the Manager Open Space and Recreation Planning (WCC) in conjunction with any landscape architect and/or ecologist.</p>
LC.18	Wellington Water must also formally document any damage incident under LC.14 (Stream damage to be reinstated and offset) and include details of this incident on a breach register and provide an update of this breach and its response to this in a report to the next available CRG, or CLG, meeting.	<p>Circumstance driven notification to CRG</p> <p>Project Manager report to the next available CRG meeting on any stream damage incident.</p>
LC.28	Wellington Water must also formally document any damage incident under LC.26 (Land and vegetation damage to be reinstated and offset) and include details of this incident on a breach register and provide an update of this breach and its response to this in a report to the next available CRG, or CLG, meeting.	<p>Circumstance driven notification to CRG</p> <p>Project Manager report to the next available CRG meeting on any land and vegetation damage incident.</p>
LC.80	<p>In addition to the requirements of LC.79, Wellington Water, the site manager and the CLP must also coordinate with the Manager Open Space and Recreation Planning to meet, on site, prior to each new phase of the project beginning, including where any new subcontractor team/s are being mobilised. The following work phases shall involve a contractor briefing prior to commencement, unless otherwise agreed in writing by the Manager Open Space and Recreation Planning:</p> <ol style="list-style-type: none"> a) Site clearance and enabling works (including fencing and temporary track planning) phase b) Reservoir site excavation and associated earthworks c) Reservoir construction d) Reservoir backfill earthworks e) Reservoir site and playing field 	<p>Time Sensitive Meeting Invitation Project Manager and the CLP to arrange a site meeting for the WCC Manager Open Space and Recreation Planning prior to each new phase of the project beginning, including where any new subcontractor team/s are being mobilized. There are a minimum of 6 meetings to accommodate:</p> <ol style="list-style-type: none"> a) Site clearance and enabling works (including fencing and temporary track planning) phase b) Reservoir site excavation and associated earthworks c) Reservoir construction d) Reservoir backfill earthworks e) Reservoir site and playing field remediation f) Site closure and defects period

	remediation f) Site closure and defects period	
LC.92	Following the completion of programmed vegetation clearance from the licence area, described in the CMP, Wellington Water, or its contractor, shall provide certification to the Manager Open Space and Recreation Planning that vegetation clearance has been carried out in accordance with any approved LEMP, CMP and in accordance with any required designation and/or resource consent conditions.	Time Sensitive Provision of Information. Project Manager to provide to the Manager Open Space and Recreation Planning evidence that the programmed vegetation clearance from the licence area, has been carried out in accordance with any approved LEMP.

7.1.3. Post Construction Notification Requirements.

Table 10 illustrates the actions that are required to comply with post-construction related notifications.

Table 10: Post Construction Notification Requirements.

GWRC Consents 35008-10		
Condition Number	Condition Description	What is Required for Construction to Commence
	Note: There are no post construction related consent conditions relating to notifications to GWRC.	
WCC Designation 135		
Condition	Condition Description	What is Required for Construction to Commence
DC.2	As soon as reasonably practicable following the completion of construction of the Project, the Requiring Authority shall: <ul style="list-style-type: none"> a) Review the area designated for the Project b) Identify any areas of designated land that are no longer necessary for the on-going operation or maintenance of the Project or for ongoing mitigation measures c) Give notice to WCC in accordance with section 182 of the RMA seeking the removal of those parts of the designation identified in DC.2(b) above. 	Time Sensitive Provision of Information. Following construction Wellington Water will provide to WCC information addressing the area of the Designation, particularly whether any areas of designated land that are no longer necessary for the on-going operation or maintenance of the Project or for ongoing mitigation measures and give notice pursuant to s.182 RMA seeking removal of that land from the Designation.
DC.24(e)	Unless otherwise agreed in writing by the CMO (who shall consult with the WCC Road Asset Manager), within 1 month of the completion of construction, the Requiring Authority shall organise with the CMO and Road Asset Manager a joint inspection of	Time Sensitive Meeting Invitation Project Manager will within 1 month of the completion of construction organise a joint inspection of Rolleston Street with the CMO and WCC Road Asset Manager to determine remedial/repaving works

	Rolleston Street to determine remedial/repaving works required to reinstate the road surface.	required to reinstate the road surface.
DC.24(f)	Any identified remedial works, including repaving, shall be completed within 6 months of the completion of construction, unless otherwise agreed in writing with the WCC Road Asset Manager. The Requiring Authority shall meet all fair and reasonable costs of undertaking this work.	Time Sensitive Restoration Project Manager will within 6 months of the completion of above inspection (DC.24(e)) complete all the remedial works.
DC.25	The Requiring Authority shall ensure that any on street parking removed or relocated during construction of the Project is reinstated within 1 month of completion of construction.	Time Sensitive Reinstatement Project Manager will within 1 month of the completion of construction organise the reinstatement of any on street parking removed or relocated during construction.
DC.33(n)	Subject to achieving the success standards in paragraphs i), ii) and iii) below, there shall be a five-year defects liability and maintenance period for all terrestrial planting, but the maintenance period may be shorter if the success measures have been achieved earlier. At the end of that period, the Requiring Authority shall provide information to the CMO to demonstrate that the planting has been successful.	Time Sensitive Provision of Information. Project Manager to provide to the CMO evidence that the planting has been successful after 5 years. Refer to Section 8.11.7 Deficits & Liability Period – Planting & Landscaping of the LEMP)
DC.37	A planting review must be undertaken by a suitably qualified and experienced landscape architect within 3 years of completion of construction of the reservoir. The review will focus on the revegetation and assess the effectiveness of plant growth, particularly on mechanically stabilised slopes. Where required, remedial works shall be undertaken to ensure that planting treatments are successful and have the potential to improve the landscape values of the site. Evidence of this review must be provided to the CMO.	Time Sensitive Provision of Information. Project Manager to provide to the CMO evidence of the effectiveness of plant growth, particularly on mechanically stabilised slopes after 3 years. Refer to Section 8.11.7 Deficits & Liability Period – Planting & Landscaping of the LEMP)
DC.42(a)	There shall be a 1-year defects liability period for works associated with the reinstatement of each of the upper and lower playing fields, including access tracks, retaining walls (where required), fencing and drainage. This 1 year period will commence from the date that the CMO (in consultation with the Manager, Open Space and Recreation Planning and the Manager, Sports and Recreation Operations and Contracts), confirms in writing that the reinstated field or fields, and related	Time Sensitive Provision of Information. Following the completion of construction, the Project Manager will provide to the CMO evidence of that the reinstated field or fields, and related tracks, retaining walls, fencing and drainage are suitable for organised sports use and public activities to commence.

	tracks, retaining walls, fencing and drainage are suitable for organised sports use and public activities to commence.	
DC.42(c)	At the end of the period in DC.42 a), the Requiring Authority shall provide confirmation to the CMO that the playing field reinstatement, including any required retaining works, permanent maintenance vehicle access works (including the access track between the upper and lower field), fencing and any required defect remedial work/s has been successful. This confirmation shall involve an appropriately qualified and experienced sports turf specialist.	Time Sensitive Provision of Information. Following the completion of 1-year defects liability period for works associated with the reinstatement of each of the upper and lower playing fields the Project Manager shall provide evidence to the CMO that any required defect remedial work/s has been successful and that the works have been certified by an appropriately qualified and experienced sports turf specialist.
WCC Town Belt Act Licence 1		
Condition	Condition Description	What is Required for Construction to Commence
LC.76	Unless otherwise agreed in writing by the Manager Open Space and Recreation Planning, within 20 working days of the completion of the remediation, Wellington Water or its contractor shall organise with the Manager a joint inspection of lower field public access way and public car parking area to determine and agree whether remedial/repaving work, if any, are required, as a result of the project, to reinstate the access way and/or car parking surface.	Time Sensitive Meeting Invitation Project Manager will within 20 working days of the completion of the lower playing field construction organise a joint inspection of the lower field public access way and public car parking area with the Manager Open Space and Recreation Planning.
LC.94	Wellington Water must arrange a schedule of final site inspections following the completion of construction and site remediation, to be agreed in writing by the Manager Open Space and Recreation Planning, as the site is progressively vacated by the project work and associated contractors. The inspection schedule shall provide: <ul style="list-style-type: none"> a) sufficient opportunity for identified issues to be resolved by Wellington Water or its contractor to the satisfaction of the Manager Open Space and Recreation Planning, prior to final site vacation. b) for final site inspection by the Manager Parks Sports and Recreation Operations and Manager Open Space and Recreation Planning and the Project Landscape Architect. 	Time Sensitive Meeting Invitation Project Manager, at the conclusion of construction and site remediation, will arrange a schedule of final site inspections with the Manager Open Space and Recreation Planning and the Manager Parks Sports and Recreation Operations.

7.2. Requirements for Maintaining 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. All aspects of how this is managed during construction has been included in the Construction Traffic Management Plan (CTMP) which includes the Pedestrian Management Plan. The CTMP is a sub-management plan to the CEMP.

7.3. Construction Noise and Vibration.

During the construction period there will be temporary changes to noise and vibration levels as a result of the construction methodologies involved and associated activities. All aspects of how this is to be managed during construction has been included in the Construction Noise & Vibration Management Plan (CNVMP). The CNVMP is a sub-management plan to the CEMP.

7.4. Archaeological Management

The Project will be managing its archaeological responsibilities in strict accordance with the requirements of Heritage New Zealand (<http://www.heritage.org.nz>), the key government regulatory body responsible for archaeological sites in New Zealand. Most protective mechanisms for land-based historic heritage are administered by local authorities through their District Plan policies and heritage listings under the Resource Management Act 1991, although Heritage New Zealand retains regulatory responsibilities regarding archaeological sites.

The Projects "footprint" has had preliminary archaeological assessments completed and it is not anticipated that any sites of significance will be discovered during construction. However, the following processes will be followed by the Project to manage their responsibilities should an accidental discovery take place as required by both WCC Designation and GWRC resource consent conditions (Refer Table 11).

The principal point of contact with Heritage NZ will be through the Central Regional Office, the details of which are listed below. Other points of contact include the Port Nicholson Block Settlement Trust and NZ Historic Places Trust.

Heritage New Zealand: Central Regional Office Office for Wellington

Physical Address: Level 7, 69 Boulcott Street, PO Box 2629, Wellington 6140
Telephone: (04) 494-8320, Email: infocentral@heritage.org.nz.
Director Central Region: Jamie Jacobs
Area Manager Central East: Karen Astwood
Area Manager Central West: Alison Dangerfield.

Port Nicholson Block Settlement Trust

P O Box 12164, Wellington
Liz Mellish
Phone: 04 473 2502
Cell: 027 4403989

NZ Historic Places Trust

PO Box 19 173
Wellington
Phone: 04 802 0003

Table 11: Archaeological Site Management Requirements Identified Within Regulatory Permissions

Designation 135 Wellington City Council (WCC)

Condition Number	Description of Condition
DC.43	<p>At least 15 Working Days prior to Commencement of Construction the Requiring Authority shall, in consultation with Port Nicholson Block Trust and Te Rūnanga o Toa Rangātira Inc, prepare an accidental discovery protocol and provide a copy to the CMO and GWRC for information at the time the CEMP is submitted. The protocol shall be implemented in the event of accidental discovery of cultural or archaeological artefacts or features during construction of the Project. The protocol shall include, but not be limited to:</p> <ol style="list-style-type: none"> Identification of parties to be notified in the event of an accidental discovery, who shall include, but need not be limited to Port Nicholson Block Trust, Te Rūnanga o Toa Rangātira Inc, HNZ, WCC, GWRC, and, if koiwi are discovered, the New Zealand Police. Setting out of procedures to be undertaken in the event of an accidental discovery (these shall include immediate ceasing of all construction in the vicinity of the discovery until authorised to proceed). Training procedures for all contractors regarding the possible presence of cultural or archaeological sites or material, what these sites or material may look like, and the relevant procedures if any sites or material are discovered.

GWRC Consents 35008-10

Condition Number	Description of Condition
28	<p>If koiwi, taonga, waahi tapu or other archaeological material is discovered in any area during the works, work shall immediately cease and the consent holder shall notify Greater Wellington Regional Council, Port Nicholson Block Settlement Trust, Te Rūnanga o Toa Rangātira Inc. and Heritage New Zealand as soon as possible but within twenty four hours. If human remains are found, the New Zealand Police shall also be contacted.</p>

GWRC Consents 35008-10

Condition Number	Description of Condition
23	<p>If kōiwi, taonga, wāhi tapu or other archaeological material is discovered in any area during the works, work shall immediately cease and the consent holder shall notify Greater Wellington Regional Council, Port Nicholson Block Trust, Te Rūnanga o Toa Rangātira and Heritage New Zealand as soon as possible but within twenty-four hours. If human remains are found, the New Zealand Police shall also be contacted. The consent holder shall allow the above parties to inspect the site and, in consultation with them, identify what should occur before work resumes.</p> <p>Notification must be emailed to:</p> <ul style="list-style-type: none"> Greater Wellington Regional Council, notifications@gw.govt.nz Heritage New Zealand, information@heritage.org.nz Port Nicholson Block Settlement Trust, taiao@portnicholson.org.nz Te Rūnanga o Toa Rangātira Inc, resourcemanagement@ngatitoea.iwi.nz <p>Heritage New Zealand must also be contacted by phone on 04 472 4341 (National Office).</p> <p>No works may resume on site until the consent holder has received written notification that consultation with the parties identified above has been</p>

	<p>undertaken to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.</p> <p>Note: Evidence of archaeological material may include burnt stones, charcoal, rubbish heaps, shell, bone, old building foundations, artefacts and human burials.</p>
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7.4.1. Accidental Discovery Protocol

7.4.1.1. Accidental Discovery Protocol for Artefacts

Evidence of archaeological sites include oven stones, charcoal, shell middens, ditches, banks, pits, and old building foundations, artifacts of Māori and European origin or human burials. All pre-1900 archaeological sites are protected under the Historic Places Act 1993 and must not be deliberately disturbed and if found it is preferable that they are left in situ. The accidental discovery of artefacts is a common occurrence.

The following procedure **must** be followed in each and every instance:

- I. Work shall cease immediately at that place. If necessary, cover the artefacts to prevent further exposure or disturbance. Preservation in situ of the items is critical.
- II. It is imperative that works in the vicinity of the find cease (approximately 5m radius is seen as adequate to allow for both protection and space for people to work) and that the area is secured.
- III. As soon as possible inform the HEB National Environmental Manager.
- IV. The HEB National Environmental Manager will ensure that the matter is reported to Heritage New Zealand, Te Rūnanga o Toa Rangātira Inc, WCC (including the Manager of Open Space and Recreation), GWRC, representatives of Port Nicholson Block Settlement Trust (PNBST) and the New Zealand Historic Places Trust. The advice of the discovery must be given as soon as possible but within 24 hours of the discovery.
- V. The HEB National Environmental Manager will liaise with representatives of the authorities stated and any other party with statutory responsibilities to arrange a preliminary examination of the artefacts.
- VI. Under law it is a requirement to ensure the overall safe management of the discovery site. To meet this requirement and protect the integrity of the accidental discovery, any visitors to the site are to have their names recorded and inducted into the cultural and archaeological preservation requirements of the area.
- VII. Discussions between The HEB National Environmental Manager and the required statutory parties will determine the appropriate exclusion zone for works to continue. An archaeological authority will need to be obtained from the Historic Places Trust, pursuant to the Historic Places Act 1993 before any work can recommence in the archaeological area.
- VIII. In the event of the material being of Māori origin, the HEB National Manager will ensure that the kaitiaki Papatipu-Rūnanga is contacted to ensure appropriate cultural process are implemented. Materials discovered will be removed by the Iwi responsible for the tikanga appropriate to their removal and preservation.
- IX. All parties will work towards operations recommencing as soon as practicable. The archaeological site(s) will remain protected until a decision regarding their management is formed.
- X. No work shall recommence until both:

- a) An agreement has been reached between the relevant authorities with statutory responsibility to ensure that all requirements have been met; and
- b) An authority has been issued by Heritage New Zealand if the find involves an archaeological site.

7.4.1.2. Accidental Discovery Protocol for Human Remains (koiwi)

The following procedure **must** be followed in each and every instance:

- I. Immediately stop work when bone material is encountered that may be human, it is important that the remains are disturbed as little as possible. It is imperative that works in the vicinity of the find cease (approximately 5m radius is seen as adequate to allow for both protection and space for people to work) and that the area is secured. If necessary, cover the bones to prevent further exposure or disturbance. Preservation in situ of the remains is critical and all remains need to be handled with respect. Disturbance of such material should be minimised and it is unlawful to disturb archaeological remains without an archaeological authority from Heritage New Zealand.
- II. As soon as possible inform the HEB National Environmental Manager.
- III. The HEB National Environmental Manager will ensure that the matter is reported to Heritage New Zealand, Te Rūnanga o Toa Rangātira Inc, WCC (including the Manager of Open Space and Recreation), GWRC, representatives of Port Nicholson Block Settlement Trust (PNBST) and the New Zealand Historic Places Trust. The advice of the discovery must be given as soon as possible but within 24 hours of the discovery.
- IV. In every situation of discovery of confirmed human remains, the police must be notified as they need to be satisfied that the remains are not evidence of a crime scene. The National Environmental Manager will be responsible for this notification.
- V. The HEB National Environmental Manger, with the assistance of the Police will liaise with representatives of the authorities stated above, and any other party with statutory responsibilities, to arrange a preliminary examination of the remains to determine if they are human artefacts.
- VI. In the event of the material being of Māori origin, the HEB National Environmental Manager will ensure that the kaitiaki Papatipu-Rūnanga is contacted to ensure appropriate cultural process are implemented.
- VII. The discovery of koiwi tangata/human remains can generate particular interest from the media. All interest from media should be directed to the HEB Communications Manager and they will manage any external communication.
- VIII. If as a result of this initial investigation there is a need for an appropriate ceremony the Iwi Authority representatives will arrange for that process.
- IX. No work shall recommence until both:
 - X. An agreement has been reached between the relevant authorities with statutory responsibility to ensure that all requirements have been met; and
 - XI. An authority has been issued by Heritage New Zealand if the find involves an archaeological site.
- XII. Following the completion of investigations associated with any accidental discovery of an archaeological nature a written report will prepared and submitted to the Compliance Manager, Wellington City Council. The report will be prepared by a suitably qualified and experienced person.

7.4.2. Port Nicholson Block Settlement (PNBS)

Port Nicholson Block Settlement Trust (PNBST) and Wellington Tenth Trust (WTT) are the iwi authorities in Wellington representing the tangata whenua as mandated iwi organisations. The Trusts have many interests with PNBST, being the Treaty of Waitangi Settlement entity with their takiwa or area of interest covering most of the areas of Wellington, Lower Hutt and Upper Hutt Cities. The area where the Omaroro reservoir and its associated facilities is located with strong association with the Te Atiawa/Taranaki Whānui ki te Upoko o te Ika and the hapu of Ngāti Tupaia of Ngāti Ruanui and Ngāti Haumia of the Taranaki tribe along with their Te Atiawa kin who are all represented by the Port Nicholson Block Settlement Trust. Although there are no known Māori sites of significance on the Omaroro reservoir site, it is close to many places of significance for the mana whenua. The construction of the reservoir is unlikely to unearth any culturally significant artefacts / remains however, in the event of an accidental discovery a robust accidental discovery protocol is in place to ensure all procedures are followed correctly. It is important that these projects do not significantly affect access in the Town Belt after the project is completed and that limits to access are minimised during construction.



Figure 7: Port Nicholson Block Settlement Area

7.4.3. Training and Toolboxes

Since it is not always possible to anticipate the presence of archaeological deposits, especially single artefacts or burials (koiwi), it is important that appropriate construction crews are briefed on the archaeological and cultural issues and related protocols. These will include:

- I. Accidental finds protocol
- II. Koiwi (human remains) protocol.

Using toolbox topics and environmental bulletins the following training topics will be covered with staff on the Project:

- I. Staff must be made aware of the harm that can be caused to archaeological sites due to construction activities.
- II. Staff must be made aware of the need for care and attention when possible archaeological sites are accidentally discovered, and what the correct protocols are to be followed.
- III. The employee must understand what control measures are in place at the workplace to

reduce possible damage to archaeological sites.

In order to adequately inform HEB Construction staff of the above training requirements the following Toolbox Topics and Environmental Bulletins have been prepared.

Toolbox Topics:

Topic 1: New Zealand's Heritage (Appendix 10).

Topic 2: Working with archaeological sites (Appendix 11).

Topic 3: Accidentally discovery of archaeological artefacts and human remains (koiwi) (Appendix 12).

7.4.4. Archaeological Related Responsibilities

HEB National Environmental Manager

The HEB Construction National Environmental Manager will be the sole point of contact, both internally and externally for HEB Construction for Heritage NZ. The responsibilities of the National Environmental Manager in respect of all archaeological matters include:

- I. Liaison with Heritage NZ and the Council Compliance Manager(s).
- II. Applying for Authorities pursuant to the Historic Places Act 1993 on behalf of HEB Construction or clients.
- III. Administering compliance of all Authorities whether they be in the name of HEB Construction or a client.
- IV. Reporting compliance with all held, or administered, Authorities to the board.
- V. Maintaining a register of all current Authorities held, or administered by, HEB Construction.
- VI. Training of all staff in the responsibilities of HEB Construction in the general responsibilities in relation to accidental discovery protocols associated with archaeological artefacts, middens, and human remains.
- VII. Training of senior front-line operational staff in relation to responsibilities and compliance with archaeological site management requirements and archaeological authorities.

HEB Project Manager

- I. The HEB Project Manager will inform the HEB National Environmental Manager if a potential or confirmed archaeological site is accidentally discovered on the Omaroro project.
- II. The HEB Project Manager will ensure that all works in the vicinity of the find cease (approximately 5m radius is seen as adequate to allow for both protection and space for people to work) and that the area is secured until further action.
- III. The HEB Project Manager will ensure that the necessary people shall be available to meet and guide representatives of the Heritage New Zealand and kaitiaki Papatipu-Rūnanga, and any other party with statutory responsibilities, to the archaeological discovery site.

7.5. Contaminated Land Management

During the construction period there is potential for the discovery of contaminated material more particularly in the vicinity of the sports fields. All aspects of how this is to be managed during construction has been included in the Erosion & Sediment Control Plan (ESCP). The ESCP is a sub-management plan to the CEMP.

7.6. Landscape & Ecological Management

A significant number of conditions associated with the various regulatory permissions are aimed at protected the quality of the existing aquatic and terrestrial ecosystems at the site and surrounding the site. Equally, there are many conditions concerned with post construction urban design and landscaping. All aspects of how ecology and landscaping is to be managed during and post-construction has been included in the Landscape & Ecological Management Plan (LEMP). The LEMP is a sub-management plan to the CEMP.

7.7. Erosion & Sediment Control

Erosion and sediment control will need to be provided throughout the duration of the construction

works, particularly around water courses, to ensure protection of the receiving environment. All aspects of how erosion and sediment control is to be managed during construction has been included in the Erosion & Sediment Control Plan (ESCP). The ESCP is a sub-management plan to the CEMP.

7.8. Safety

Safety is an important aspect of all construction Projects and a priority for HEB Construction. The CEMP does not address safety management on site as a separate Project Management Plan (PMP) will be developed when construction design is finalised and subsequent construction methodologies fine-tuned.

7.9. Construction Traffic Management

During the construction period there will be disruption and modification to the manner and extent to which members of the public can access and move about the roads in the area. All aspects of how this is managed during construction has been included in the Construction Traffic Management Plan (CTMP). The CTMP is a sub-management plan to the CEMP.

7.10. Hazardous Substance Management

Hazardous Substances management (HSNO) on the Project will be strictly governed by the HEB Construction’s internal suite of Guidance Notes (Refer Appendices 13-25). The Guidance Notes include:

- SQE-030-GN-005 Hazardous Substances Management - Overview
- SQE-030-GN-005.1 Hazardous Substances Management - Risk Assessment
- SQE-030-GN-005.2 Hazardous Substances Management - HSNO Hazard Descriptions
- SQE-030-GN-005.3 Hazardous Substances Management - Administrative Controls
- SQE-030-GN-005.4 Hazardous Substances Management - Training Certification
- SQE-030-GN-005.5 Hazardous Substances Management - Safe Storage Handling
- SQE-030-GN-005.6 Hazardous Substances Management - Training Resource Checklist
- SQE-030-GN-005.7 Hazardous Substances Toolbox 1 - Hazardous Substances at Work
- SQE-030-GN-005.8 Hazardous Substances Toolbox 2 - Safe Use Storage and Disposal
- SQE-030-GN-005.9 Hazardous Substances Toolbox 3 - Use Storage Cleaning PPE
- SQE-030-GN-005.10 Hazardous Substances Toolbox 4 - Common Control Measures
- SQE-030-GN-005.11 Hazardous Substances Toolbox 5 - SDS and Product Labels
- SQE-030-GN-005.12 Hazardous Substances Toolbox 6 - Emergency Response Plans

A number of GWRC consent conditions pertain to the management of hazardous substances (Refer Table 12).

Table 12: Hazardous Substances management Requirements identified within Regulatory Permissions

GWRC Consents 35008-10	
Condition Number	Description of Condition
7(d)(iii)	Procedures (immediate and subsequent) to be undertaken in the event of a spill of oil or other hazardous substances occurring; and
10(g)	Location plan and procedures for the storage of flocculation chemical(s) onsite;

10(h)	A flocculation chemical spill contingency plan including onsite roles and responsibilities;
27	In the event of a spill of fuel, hydraulic fluid, or other potential liquid contaminants, immediate steps shall be taken to contain the spilt contaminant. The spilt contaminants and any materials used to contain it shall be removed from the site and disposed of at an authorised landfill.
GWRC Consents WGN200317 [36864]	
8(b)	All machinery shall be regularly maintained in such a manner to ensure no contaminants (including but not limited to oil, petrol, diesel, hydraulic fluid) shall be released into water, or to land where it may enter water, from equipment being used for the works;
8(c)	All contaminant storage or re-fuelling areas are bunded or contained in such a manner so as to prevent the discharge of contaminants to water or to land where it may enter water; and
8(d)	No machinery is cleaned, stored or refuelled within 10 metres of any waterbody, water flow channel or stormwater system.
10	In the event of a spill of fuel, hydraulic fluid, or other potential liquid contaminants, immediate steps shall be taken to contain the spilt contaminant. The spilt contaminants and any material used to contain it shall be removed from the site and disposed of at an authorised landfill. The consent holder shall also immediately notify the Manager, Environmental Regulation, Wellington Regional Council of the spill and actions to be taken.
11	The consent holder shall ensure that no dry cement product, unset concrete, concrete wash water or any water contaminated with concrete enters the flowing channel of the Waitangi Stream or any water during, or as a result of, the works.

The management of Hazardous Substances is very clearly set out within these management documents (Guidance Notes – Appendices 16-28) developed in accordance with the obligations set out in the following documents:

- Resource Management Act 1991
- Hazardous Substances & New Organisms Act 1996
- Health & Safety at Work Act 2015
- Health & Safety at Work (Hazardous Substances) Regulations 2017
- Radiation Safety Act 2016
- Land Transport Rule: Dangerous Goods 2005

All senior Project Management staff will be required to have completed the Managing Hazardous Substances (SQE-030-PP-002 Training (Version 8) March 2019) and hold current certification (not older than 2 years old).

Below are key requirements for the management of Hazardous Substances:

- No refuelling occurs in an active riverbed/wetland/stream or within 20 metres of water;
- The storage or placement of hazardous substances such as (but not limited to) oil, hydraulic fluid or other lubricants does not occur within 20 metres of water; and
- An operational spill kit is kept on site at all times.
- In the event of a spill, the contractor shall clean up the spill as soon as practicable and take measures to prevent a re-occurrence.
- Stocked marine spill kits must be kept on site at all times while works are taking place within 50m of waterways. Marine spill kits are to include oil booms in the event of an oil spill in the lake.

- All chemicals on site will be suitably stored, labelled and secured, with adequate provision for bunding (or similar) controls and drip trays during refuelling works.
- Chemicals including fuels shall be securely stored on site in bunded containers (or removed from site overnight).
- All concrete dust discharges as a result of air compressor works are to contain a vacuum function to minimise contamination risks of the waterway.
- Specified site for controlled transfers to take place.
- All personnel using concrete retarders, hardeners or accelerators near waterways will ensure only the minimum amount of chemical is used to achieve the result required and excess chemical is not flushed to the watercourse. Controls to be in place to isolate the work site from the waterway.
- All cement and cement products will be kept away from watercourses when not in use (including sumps).
- During use all cementitious materials, including wash-down, will be adequately contained to prevent release into water courses.
- All concrete trucks and equipment will be washed down off site where practical or if unavoidable, within designated and appropriately bunded or Bin/Skips facilities pre-approved by the Environmental Adviser.



Figure 8: Hazardous Substances Warning Signs to be used on site.

Emergency Spill Response (flocculation chemical spill contingency plan)
Should an incident occur the following process should be employed (Refer Figure 9):

Spill Response Steps



- Make the area safe.
- Make an early assessment as to whether you need help.
- Stop the spill.
- Contain and absorb the spill.
- Reassess whether assistance is needed.
- Collect and dispose.
- Submit written report.
- Resupply the spill kit.



Figure 9: HEB Construction Spill Response Steps.

Spill Training

- Staff and Sub Contractors undertaking refueling activities on site will be clearly trained in how to undertake the refueling activity and the implementation of the emergency spill response procedure in case of an accidental spill.
- Training records will be kept on site and records of toolbox meetings detailing discussions regarding the emergency spill response procedure will also be held on the project file.

7.11. Additional Construction Scope.

Following the approval/certification of version A of the CEMP and subsequent commencement of construction on the Project two separate areas of scope change have led to the need to amend the CEMP and associated management plans. The two areas of construction scope are illustrated in Figure 9A. The supplementary scope of works includes:

- Widen the existing access from Dorking Road to allow emergency and infrequent vehicle access to the reservoir once constructed;
- Construction of two buried flow meter chambers and one buried control valve chamber and realignment of the existing water mains, and
- Relocation of the existing stormwater inlet resulting in construction works encroaching within 5m of the Waitangi Stream tributary.

The works in these two locations are discussed in Sections 7.11.1 and 7.11.2. hereafter.

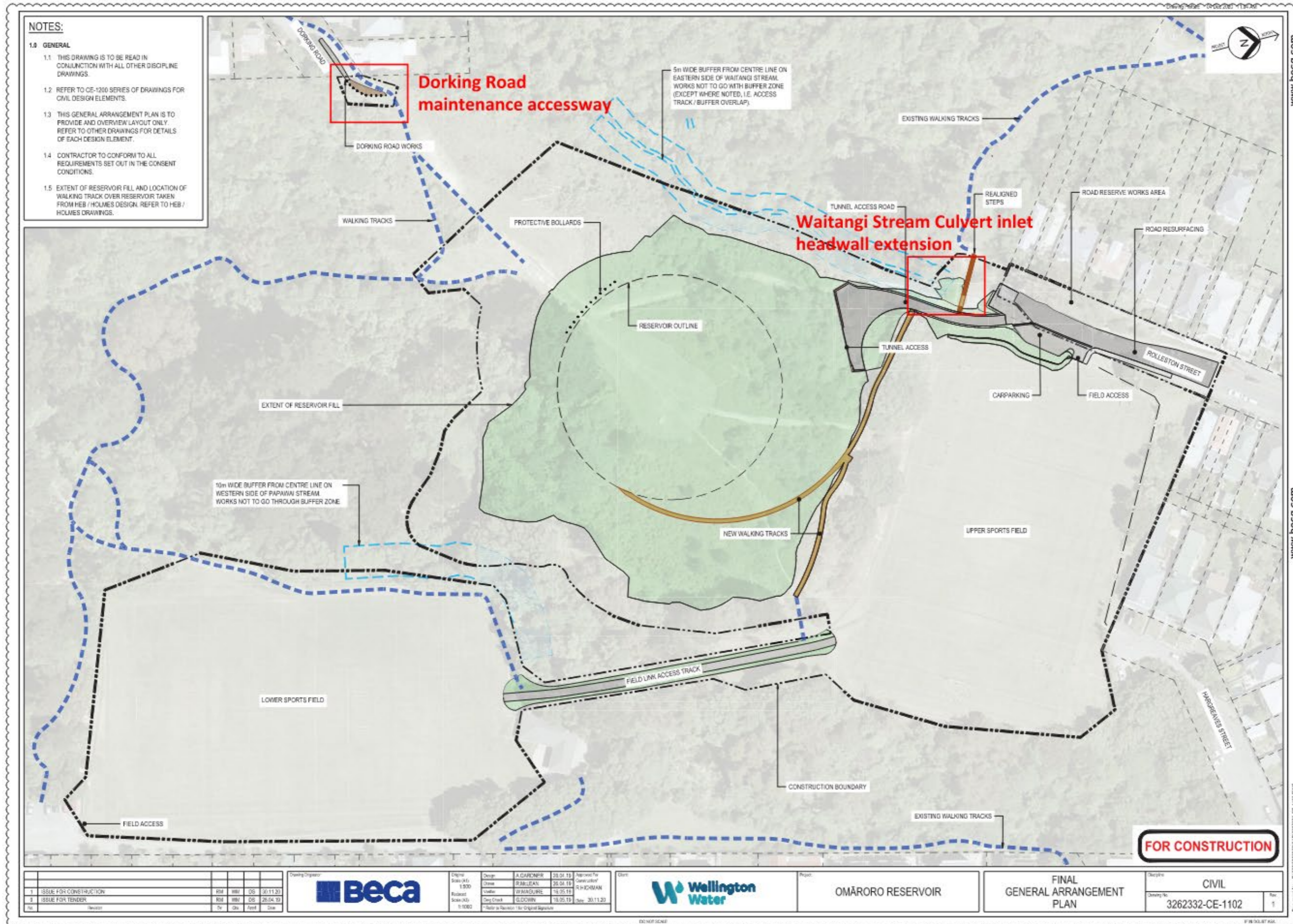


Figure 9A: Location of two separate areas of construction scope including an extension to the Waitangi Stream culvert headwall area and the Dorking Road maintenance accessway/entrance

7.11.1. Rolleston Street Valve Chambers and Pipework

Construction of two buried flow meter chambers and one buried control valve chamber and realignment of the existing water mains at the top of Rolleston Road. The proposed location follows the steps of the City to Sea Walkway from the upper field (at Prince of Wales Park) up to Bell Road/Bidwell Street. New steps will be upgraded and relocated slightly north to accommodate the chambers and pipe work. Earthwork will be required to bury the chambers and pipes, with concreting around the chambers, backfilling and grassing/planting. The chamber tops will be exposed for easy access. The physical work is temporary, and effects can be mitigated. The exposed chamber covers (at ground level) will be the only visible feature (Refer 9B).

7.11.2. Relocation of the existing stormwater inlet.

Works within the Waitangi Stream tributary are required to allow for the locations of the above chambers. This includes the installation of wingwalls and a 3 metres extension to the new culvert into the existing open stream. This will also involve encroaching within 5m of the stream, excavating about 100mm into the stream bed and apply compacted hard fill under the wingwall and culvert. Installation includes debris barrier and allowance for fish passage. During the works the stream will be dammed and diverted to the closest outlet. It is important to note the existing culvert (375mm) will be replaced with a culvert of the same diameter. The replacement culvert and wingwalls were already approved by Greater Wellington Council (GWRC) with existing conditions (Refer Figures 9B and 9C).

The construction works will be completed in accordance with the Construction Methodology provided with the consent application. The construction methodology is detailed in the ESCP (refer Section 12.3 "Dam and diversion methodology" ESCP). If any changes are proposed to the construction methodology, an updated plan that has been prepared and then submitted to the Manager, Environmental Regulation, Wellington Regional Council prior to the works commencing. No works shall commence until the consent holder has received written notification that the updated Construction Methodology is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

7.11.3. Dorking Road Access and Retaining Wall

The existing pedestrian entrance into the Town Belt from Dorking Road needs widening to allow vehicular access to the reservoir roof for essential maintenance (estimated to be once every 10 years) and emergency works eg chemical treatment. The works include the installation of a vehicular gate (lockable), timber pole retaining wall approximately 1m high by 15m long, with compacted hard fill material, topsoil and grass suitable for vehicle access. (Refer Figures 9D and 9E) .

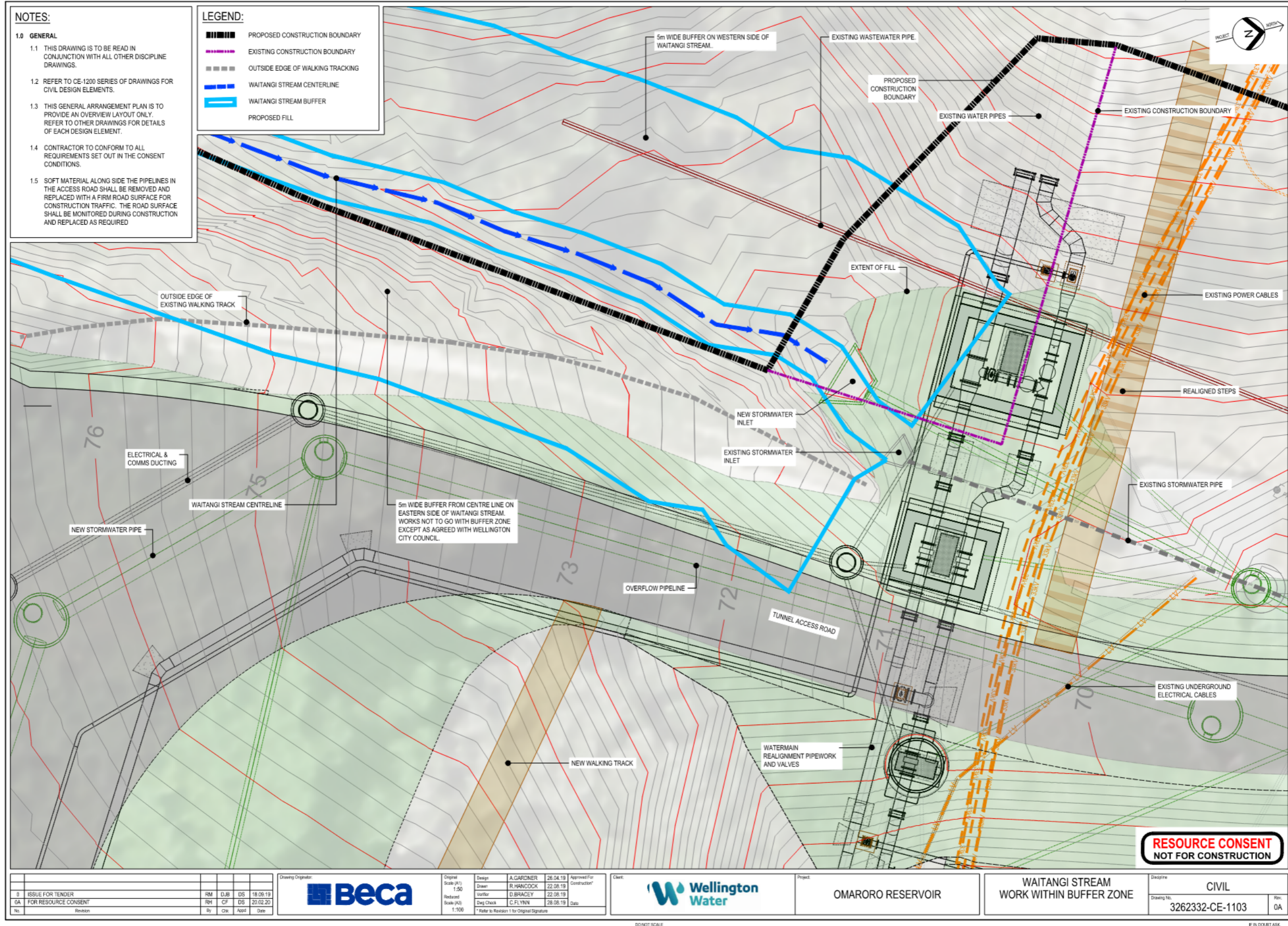
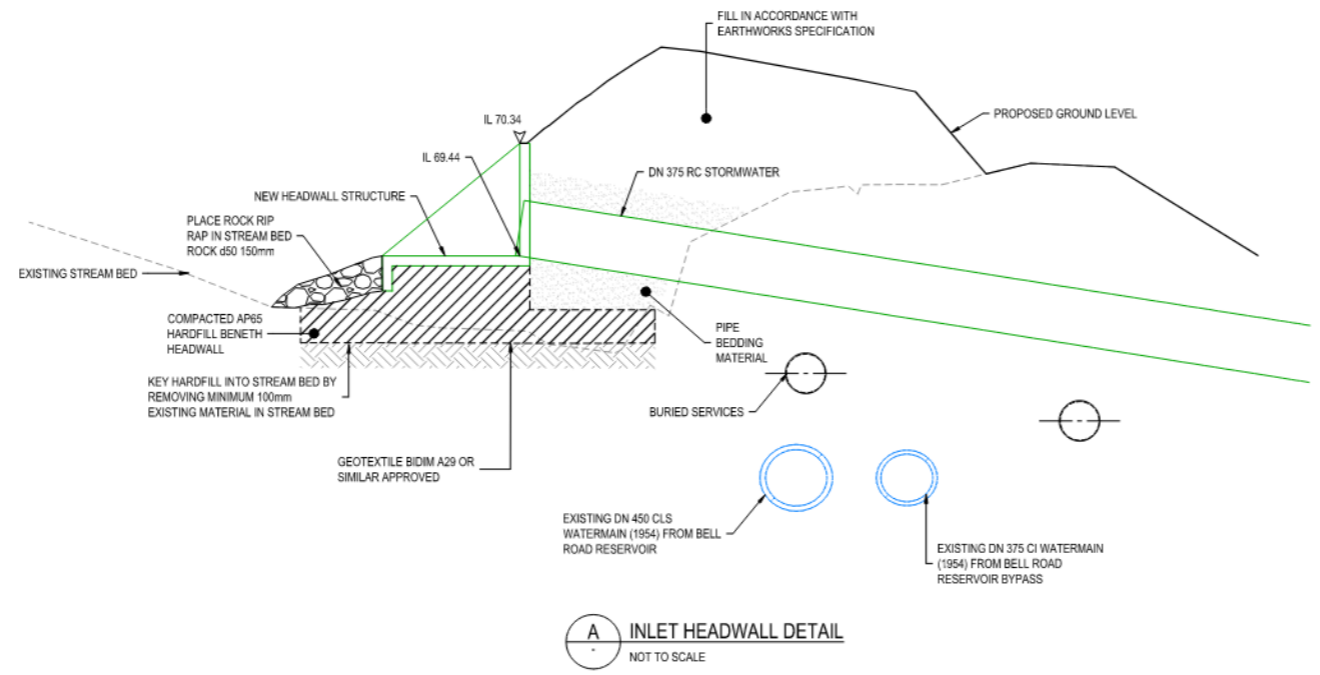


Figure 9B: Location of two separate areas of construction scope including an extension to the Waitangi Stream culvert headwall and the two buried flow meter chambers and one buried control valve chamber and realignment of the existing water mains at the top of Rolleston Road

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- NOTES:**
- 1.0 GENERAL
 - 1.2 HARDFILL UNDER HEADWALL TO BE COMPACTED IN ACCORDANCE WITH SPECIFICATIONS AND IN DRY SURROUNDINGS
 - 1.3 DESIGN IS BASED ON BECA TOPOGRAPHICAL SURVEY CARRIED OUT IN JUNE 2012.
 - 1.4 LEVELS ARE IN TERMS OF WELLINGTON VERTICAL DATUM 1953. ORIGIN: WELLINGTON PRIMARY TGRM (D.M.J) 11.58m (JUNE 2012)
 - 1.5 INVERT LEVELS SHOWN ARE INDICATIVE ONLY. CONTRACTOR TO CONFIRM EXISTING INVERT LEVELS AS INITIAL ACTIVITY AND ADVISE ENGINEERS IF THERE ARE ANY DIFFERENCES TO THOSE SHOWN.



**FOR INFORMATION
NOT FOR CONSTRUCTION**

No.	Revision	By	Chk	Appr	Date
A	FOR INFORMATION	RM	WM	DS	22.04.20

<p>Drawing Originator:</p>	<p>Design:</p> <p>Original Scale (A1): AS SHOWN</p> <p>Revised Scale (A1): 1/2 SHOWN</p>	<p>Design:</p> <p>Drawn:</p> <p>Checked:</p> <p>Deep Check:</p> <p>16.05.19</p> <p>26.05.19</p> <p>28.05.19</p> <p>16.05.19</p>	<p>Approved For Construction:</p> <p>Date:</p>
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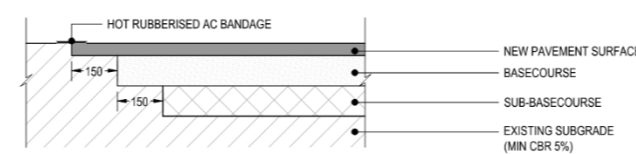
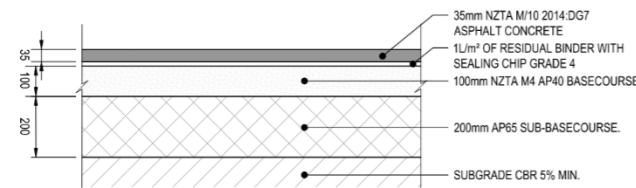
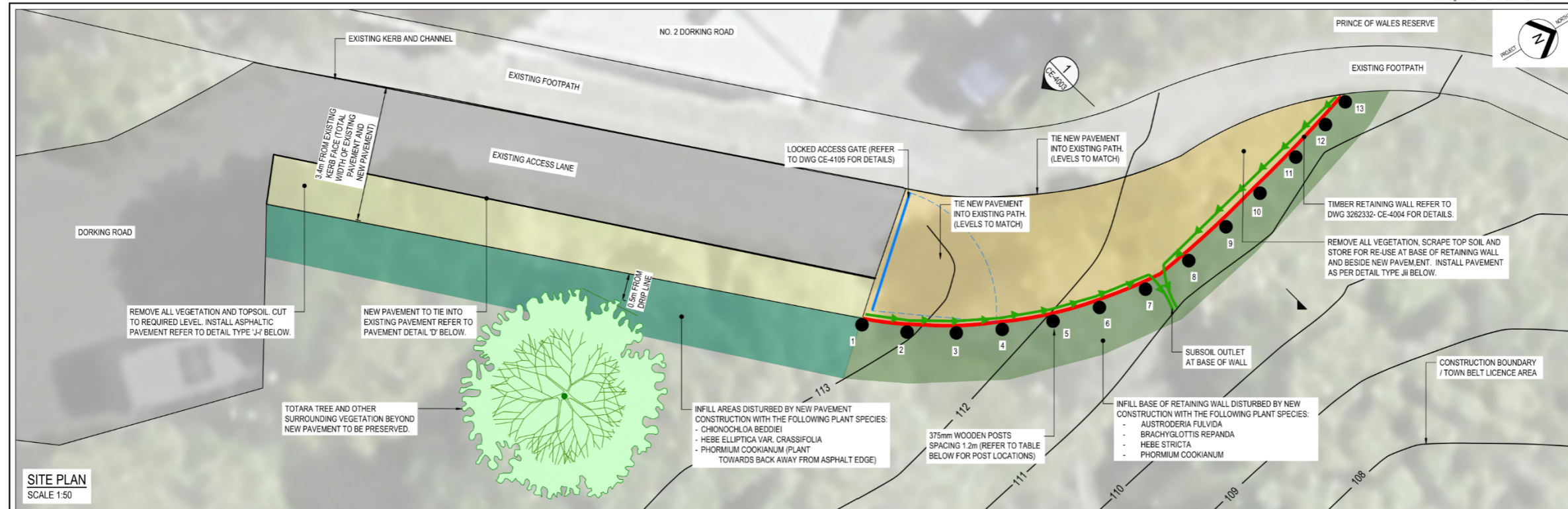
	<p>Client:</p> <p>Project:</p>
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<p>Client:</p> <p>Project:</p>

<p>Project:</p> <p>INLET HEADWALL DETAIL</p>
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<p>Discipline:</p> <p>Drawing No:</p> <p>Rev:</p>

Figure 9C: Elevation view of the extension to the Waitangi Stream culvert headwall.



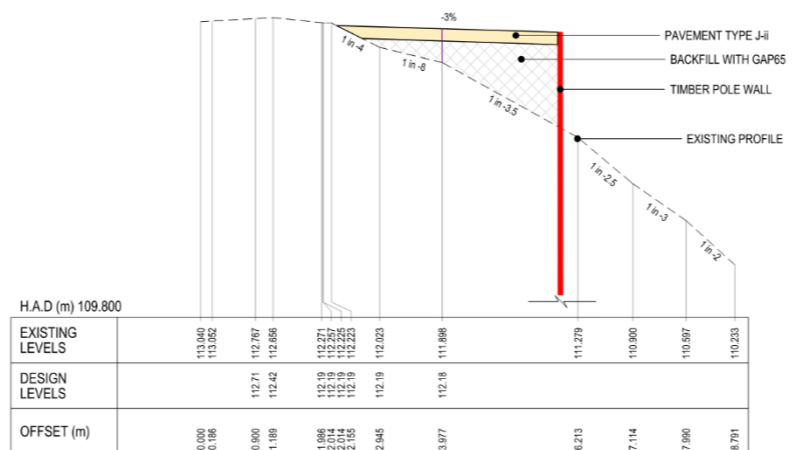
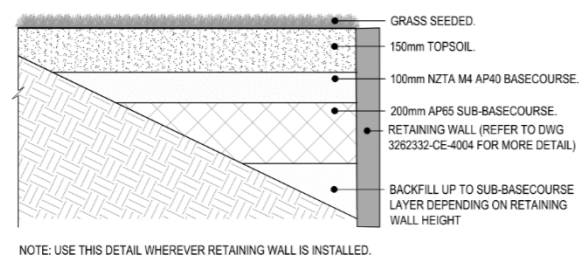
LEGEND

- EXTENT OF PAVEMENT TYPE J-i
- EXTENT OF GRASSCRETE
- EXISTING FOOTPATH
- EXISTING ROAD PAVEMENT
- TIE IN EXTENT OF PAVEMENT D
- PROPERTY BOUNDARIES
- EXTENT OF RETAINING WALL
- EXTENT OF SUBSOIL DRAIN

NOTES:

1.0 GENERAL

- ALL SERVICES TO BE LOCATED & MARKED OUT PRIOR TO CONSTRUCTION BEGINNING
- ALL TOPSOIL TO BE STRIPPED & DISPOSED OF PRIOR TO CONSTRUCTION BEGINNING.
- CARE IS TO BE TAKEN DURING CONSTRUCTION OF THE PAVEMENT TO ENSURE THAT THE TOTARA TREE ROOTS ARE NOT DAMAGED.



POST SETOUT COORDINATES:

POST ID	NORTHING	EASTING
1	5425740.64mN	1748173.10mE
2	5425741.62mN	1748173.96mE
3	5425742.61mN	1748174.85mE
4	5425738.50mN	1748170.34mE
5	5425739.10mN	1748171.33mE
6	5425739.86mN	1748172.28mE
7	5425743.69mN	1748175.24mE
8	5425748.60mN	1748176.04mE
9	5425750.45mN	1748176.11mE
10	5425749.70mN	1748176.09mE
11	5425744.63mN	1748175.91mE
12	5425746.17mN	1748175.80mE
13	5425747.39mN	1748175.92mE

No.	Revision	By	CHK	Appr	Date
1	ISSUE FOR CONSTRUCTION	RM	WM	DS	30.11.20
0	ISSUE FOR TENDER	RM	WM	DS	18.09.19
DA	FOR RESOURCE CONSENT	RH	WM	DS	20.02.20

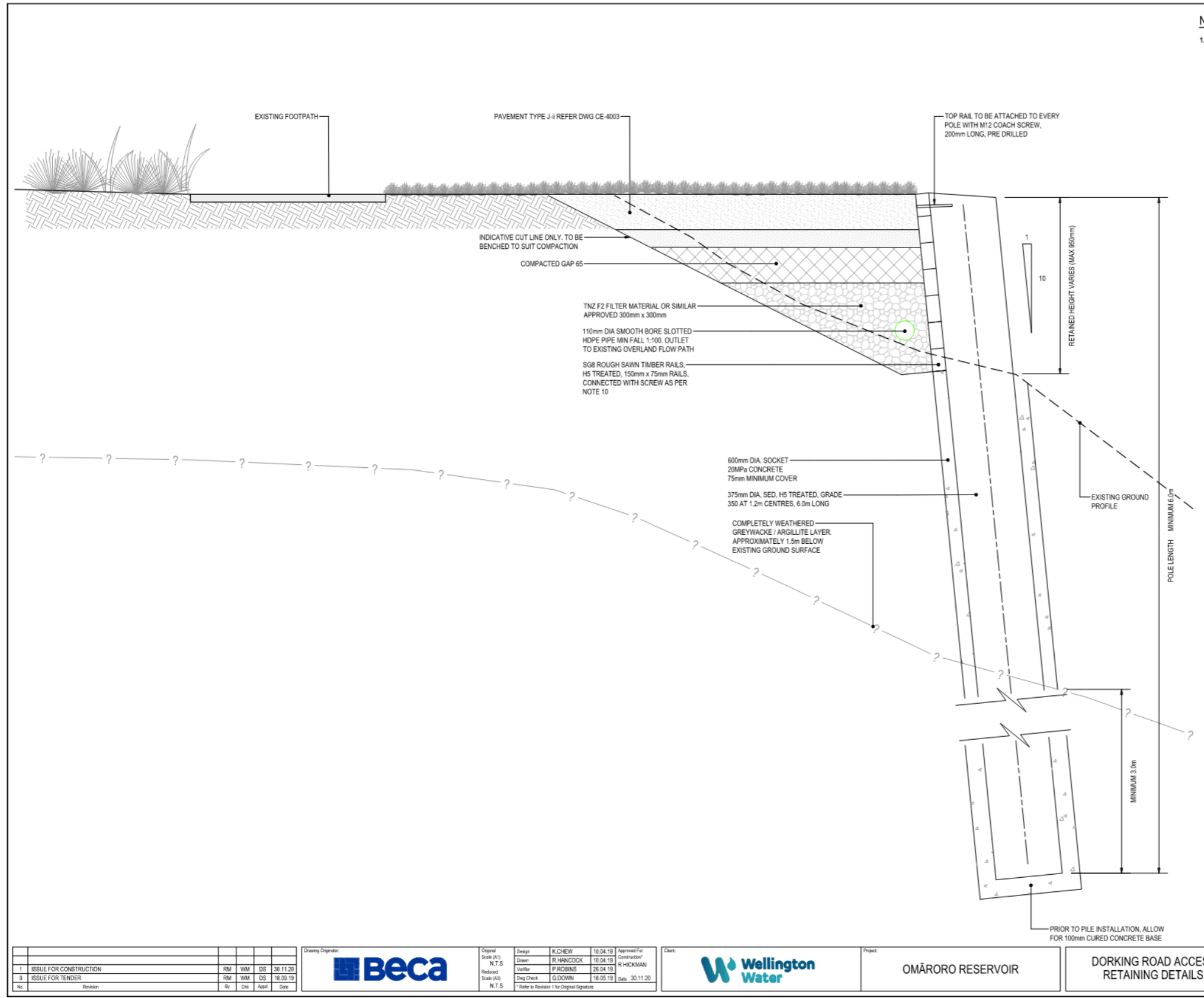
Original Scale (A1) AS SHOWN
 Design: K. CHEW 26.04.19
 Drawn: R. HANCOCK 26.04.19
 Verifier: P. ROBINS 26.04.19
 Reduced Scale (A3) 1/2 SHOWN
 Design Check: G. DOWN 16.05.19
 Approved For Construction: R. HICKMAN 30.11.20
 Date: 30.11.20

Client: Wellington Water
 Project: OMARORO RESERVOIR
 Discipline: CIVIL
 Drawing No: 3262332-CE-4003
 Rev: 1

FOR CONSTRUCTION

DORKING ROAD ACCESS PLAN

Figure 9D: Dorking Road Access and Retaining Wall



NOTES

1.0 GENERAL

- 1.1 DURING ALL PHASES OF WORK THE ENGINEER SHALL BE INFORMED ON A DAILY BASIS AS TO THE WORK ANTICIPATED TO BE CARRIED OUT TO ENABLE MONITORING TO BE UNDERTAKEN.
- 1.2 THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SERVICES PRIOR TO COMMENCING WORK & SHALL INFORM THE ENGINEER SHOULD ANY CONFLICTS ARISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SERVICES CAUSED BY THEIR ACTIVITIES.
- 1.3 ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH NZS 3604 HAZARD CLASS H5. TIMBER POLES, WALER & RAILS SHALL BE RADIATA PINE OR CORSICAN PINE. THE POLES & RAILS SHALL BE STRAIGHT & FREE OF DECAY, KNOTS, SPLITS, CHECK OR ANY OTHER DEFECTS THAT MAY AFFECT THE STRENGTH OF THE POLE.
- 1.4 ALL CUT TIMBER TO BE TREATED VIA SITE APPLICATION OF A SUITABLE PRODUCT TO THE SUPPLIER'S SPECIFICATION TO ACHIEVE A LEVEL OF TREATMENT EQUAL TO OR GREATER THAN THE MEMBER'S ORIGINAL LEVEL OF TREATMENT.
- 1.5 ALL POLES SHALL BE PLACED LARGE END INTO THE BASE OF THE HOLE.
- 1.6 BORED HOLES ARE TO BE UNDERTAKEN AS HIT AND MISS AND NOT TO REMAIN OPEN OVER NIGHT. HOLES MUST BE THOROUGHLY CLEANED OUT BEFORE PLACING CONCRETE. POLES SHALL BE INSTALLED THE SAME DAY AS BORING. MAXIMUM 10m LENGTHS OF WALL TO BE CONSTRUCTED AT ANY TIME.
- 1.7 THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILITY.
- 1.8 POLES ARE TO BE BRACED DURING & AFTER CONCRETING TO MAKE SURE THE REQUIRED ALIGNMENT IS MAINTAINED.
- 1.9 ALL STEEL FIXING COMPONENTS SHALL BE HOT DIPPED GALVANISED IN ACCORDANCE WITH AS/NZS 4680.
- 1.10 RAIL JOINTS TO OCCUR AT POSTS ONLY. RAIL JOINTS ARE TO BE STAGGERED EVERY THIRD POLE. RAILS TO BE SECURED TO POSTS WITH 4mm, 200mm LONG SELF DRILLING SCREWS, 2 SCREWS AT EACH POST.
- 1.11 COMPACTION TO CONSIST OF MAX. 120KG PLATE COMPACTOR WITHIN 1.0m OF BACK OF RETAINING WALL. GAP65 PLACED IN MAX. 150mm LIFTS.
- 1.12 SET OUT POINT TO BE CONFIRMED ON SITE WITH SURVEYOR.
- 1.13 GROUND PROFILE IS BASED ON LOGICAL INTERPRETATION OF INFORMATION. IF CONDITIONS AT THESE SECTIONS DIFFER FROM THAT NOTED THIS SHOULD BE ADDRESSED WITH THE ENGINEER

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No.	Revision	By	CHK	Appd	Date
1	ISSUE FOR CONSTRUCTION	RM	WM	DS	30.11.20
0	ISSUE FOR TENDER	RM	WM	DS	18.09.19

Drawing Originator:



Original Scale (A1)	Design	Drawn	Checked	Approved For Construction
N.T.S	K.CHEW	R.HANCOCK	G.DOWN	R.HICKMAN
N.T.S				

Client:



Project: OMARORO RESERVOIR

DORKING ROAD ACCESS
RETAINING DETAILS

Designer	Rev.
CIVIL	1
Drawing No.	3262332-CE-4004

FOR CONSTRUCTION

DO NOT SCALE

IF IN DOUBT ASK

Figure 9E: Elevation view of the Dorking Road Access and Retaining Wall

8. Training & Education

All construction staff will be adequately skilled and experienced for the work they will undertake. Prior to commencing work on site all staff will receive an induction before they are able to commence work on site. The induction will emphasize the environmental requirements of the resource consent conditions and the processes associated with the Project’s operational compliance. All staff will be given the opportunity during the induction to review the consent conditions. Visitors to the site will also receive an induction that summarises the Project’s environmental responsibilities. Training relating to specific processes (ESCP, Hazardous Substances Management (including emergency spill response), Archaeological site Management) will be provided to ensure all staff are made aware of their environmental obligations on the Project. Training records are captured and retained at HEB Construction within the “SilkRoads” managed by the People and Capability team. The project training that will be delivered to staff is outlined in Table 14.

A single WCC NES consent condition identifies training (Refer Table 13). As part of the staff induction and briefing for the earthworks team a contaminated land specialist will be involved to brief staff.

Table 13: Training Requirements identified within Regulatory Permissions

WCC NES Consent SR447741	
Contamination	
(c)	Contaminated Land Guidelines No.5 – Site Investigations and Analysis of Soils (Revised 2011), Ministry for the Environment. A suitably qualified and experienced practitioner (SQEP) must be involved in a pre-earthworks site briefing with the Engineer’s Representative and all personnel involved with the soil disturbance to brief all personnel working on the site of the requirements of the Contamination Soils

Table 14: Training to be implement pursuant to the CEMP

Type of Training	Purpose	Convenor
Staff induction	Induct new construction staff to the project, providing a general overview to the environmental values, risks, stakeholders, sensitive receptors and contacts for the project as well as cultural requirements and the background to these.	Environmental Manager or delegate
Ecological training	Train staff working in areas associated with birds, fish and lizards; so, they are aware of what to look out for and how any discovery is to be managed. Specialised training will be provided to the teams involved in monitoring and relocation of fish.	Environmental Manager or delegate
Archaeological training	Train staff involved in earthworks to understand what to do in the event of discovery of any bones or artefacts during land disturbance activities.	Environmental Manager or delegate
Contaminated land training	Train staff in what to look out for in regard to contaminated land, and what to do if it is discovered.	Environmental Manager or delegate
Spill Response Training	Train staff in how to manage spills in accordance with the Hazardous Substances Management Training and Emergency Spill Training.	Environmental Manager or delegate
Erosion and Sediment Control training	Train staff as to the importance of erosion and sediment control, why controls are in place, what should happen if a control is damaged. Specialised training will be provided to staff who are involved in the construction, maintenance and decommissioning of erosion and sediment control devices.	Environmental Manager or delegate

9. Incident & Emergency Response

The Project will prepare for the possible eventuality of a number of emergency 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.
- Have robust contingency plans in place at all stages of the construction and Demolition.

The purpose of training is to inform employees of their responsibilities and/or plan of action during emergency situations. The training program will include the types of emergencies that may occur, the appropriate response, evacuation procedure, warning/reporting procedure, and shutdown procedures. Specific Emergency response plans will be issued for each specific site. The training program will specifically address the following information:

- 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.

Fire:

Impacts from fire could result in damage to surrounding landscapes, sensitive habitats and can cause potential harm to people. An outline of recommended steps to be taken in the event of fire is outlined in the Emergency and Incident Response Plan.

10. Complaints Management

Complaints may be referred to the Project by WCC, GWRC, the CLP, the CRG or members of the public. Members of the public who provide a complaint directly to the Project will be able to use the contact telephone number listed on information boards/signs about the Project boundary. It is the responsibility of the Project Manager to respond to and follow up all complaints. The Project Manager is responsible for ensuring suitably trained, experienced, and qualified personnel are always available to respond to complaints including after hours and on weekends when complaints could be received. On-call staff will be notified of the complaint by the Project Manager. The on-call staff will respond by visiting the area in question and then implementing mitigation and corrective measures where it is deemed necessary and in accordance with direction from the Project Manager. The on-call staff will provide regular updates regarding the situation to the Project Manager. The Project Manager will in turn provide an update to the WCC or GWRC. If the site receives a complaint alleging adverse effects from or related to the exercise of this consent the CMO will be notified within 24 hours of receiving the Complaint

A register of all complaints will be maintained by the Project. The Register will identify the following information:

- A unique number for each complaint.
- Date and time the complaint was originally made.
- Name and contact details of the person to whom the complaint was originally made.
- Name and contact details of the person(s) making the complaint.
- A description of the complaint.

- Date and time the complaint was received by a member of the Project team.
- Name and contact details of the person(s) tasked by the Project Manager with addressing the complaint.
- A description of the corrective actions assigned and the time frame for addressing the actions.
- Date and time the corrective actions were completed.
- Date and time the person(s) making the complaint were notified of the completion of the corrective actions.

10.1. Complaint Initial Action

Actions to be taken as soon as possible by the staff member responding to the complaint on behalf of the Project Manager:

- Fill out a complaint form.
- Note the time, date, identity and contact details of complainant. Wind direction and strength and weather conditions are recorded. Note if complainant has been referred from a consent authority.
- Ask the complainant to describe the noise; whether it is a constant or an intermittent problem; how long has it been going on for; if it is worse at any time of day, does it come from an identifiable source.
- As soon as possible after receipt of a complaint undertake a site inspection. Note all noise producing activities taking place, which staff member(s) or sub-contractor(s) are responsible for the noise mitigation methods that are being used.
- If complaint was related to an event in the recent past, note any noise producing activities that were underway at that time, if possible.
- As soon as practical (preferably within 30 minutes) visit the area from where the complaint originated to ascertain if noise is still a problem.
- If it becomes apparent that there may be a source of noise other than activities on the Project causing the noise nuisance it is important to verify this. Photograph and document the source and emissions. Take measurements wherever possible.
- As soon as possible after the initial investigations have been completed contact the complainant to explain any problems found and remedial actions taken.
- If necessary, update any relevant procedures to prevent any recurrence of problems.
- Complete complaint form and file on complaint register.

10.2. Follow Up Actions

The Project Manager will advise the WCC (including the Manager of Open Space and Recreation) and GWRC as soon as practical that a complaint has been received, what the findings of the investigation were, and any remedial actions taken. Following that the Project Manager will advise Project staff and sub-contractors that a complaint has been received, what the findings of the investigation were, and the remedial actions taken.

11. Site & Waste Management

Reduction of waste to the greatest extent is sought throughout construction. Efficient use of resources is both environmentally and financially beneficial. In addition, inefficient use of raw materials, leaks from liquid stores, ground and controlled water contamination from materials stores, contamination from spills while handling wastes, litter blow, associated presence of pests (flies, rodents and birds), and propagating non-native invasive species are also significant issues to be managed. The waste management provided for the Project is Envirowaste. The landfill site to be used is to be confirmed.

HEB construction will completely remove all temporary project offices and amenities from the site upon completion of construction. In addition, all human waste/effluent generated on site will be captured in a sealed network and be routinely removed from site where it will be disposed of at an approved effluent disposal site by a professional service provider. There will be no discharge of any such materials or waste on site. In terms of solid waste and construction waste material, all material

will be securely and safely storage on site before it is removed by a professional service provider. Recycling and waste diversion practices will be utilised to divert as much material from landfill. Waste production and disposal effects will be assessed and minimised where practicable within the program area for all construction activities undertaken. Provisions for recycling and reuse of materials will be made available. All sites will be kept clean and tidy and free of litter at all times. No liquid waste to be discharged directly to the ground or into waterways. A suitable clean-fill site will also be identified, and all clean-fill generated will meet the Ministry for the Environment Guidelines (MfE). The aim is to minimise the waste generated and promote innovative methodologies to ensure waste is reused and recycled as much as possible.

Waste removed from the site will be measured and recorded to ensure that an absolute minimal amount of waste is directed to landfill. A Site Waste Minimisation Plan (WMP) is to be utilised and implemented onsite and communicated to all personnel. Select from suppliers that have environmental certification (e.g. ISO14001), are members of sustainability schemes, and use locally sourced construction materials. Environmentally friendly alternatives to hazardous materials will be selected where available.



12. Monitoring and Review

12.1. Compliance Monitoring Inspections

The Environmental Manager will undertake regular environmental inspections to ensure compliance. Weekly environmental inspections will be completed by Project Management staff in addition to the inspections completed by the Environmental Manager. Specific monitoring requirements are stated in the sub management plans. WCC or GWRC will also undertake compliance monitoring against the conditions of consent/designation. Reports from this monitoring which identify corrective actions will be managed through the corrective and preventive action process. For the first 6 weeks of construction the Environmental Manager will complete weekly environmental inspections in addition to the Project Management staff inspections. After 6 weeks these will be reduced to monthly inspections in the case of the Environmental Manager unless compliance is not being achieved.

12.2. Compliance Monitoring Audits

Environmental compliance audits are more involved than environmental inspections and will be the Environmental Manager or HEB Construction National Environmental Manager. The environmental compliance audits will focus on a specific management plan and will be undertaken at least monthly or for every high-risk activity. The objective of the audits is to determine if the environmental management requirements are being implemented and maintained, assess the effectiveness of the environmental controls being applied, and identify areas of non-compliance or improvement opportunities so that corrective actions can be taken. An audit report will be prepared identifying any opportunities for improvement and any corrective actions required. The results of the audit will be used as a learning outcome to ensure that best practice continues to be adopted on the ground and reflected in updates to the CEMP. The Project Manager has responsibility for ensuring that timely corrective actions are taken to remedy deficiencies found during audits. An edited and tailored version of the environmental inspection audit (refer Figure 10) will be used for the regular inspections by the environmental adviser.

ENVIRONMENTAL INSPECTION CHECKLIST - OMARORO Reservoir (Wellington)

Division:	Structures	Area Manager:	Bernard Kopke	Inspection Date:	XX/XX/202X
Region:	Central	Project Manager:	James Lake	Inspection Time:	XX:XXAM/PM
Project Name:	Omaroro Reservoir - Wellington	Supervisor:	XXXX		
Project No:	61104	Date Issued:	XX/XX/202X		
Assessor:	XXXX	Programme: (Wk)	XXXX		

C = Compliant
 UA = Not Compliant - Unacceptable stop work & take immediate action
 NI = Not Compliant - Needs improvement but safe to continue
N/A = Not Applicable
All corrective/preventive actions identified during the workplace inspection must be entered into the Vault System with actions and dates for completion assigned

INSP # XXXX	ITEM	COMPLIANCE ACHIEVED				COMMENTS / EVIDENCE
		<input checked="" type="checkbox"/> C	<input checked="" type="checkbox"/> UA	<input checked="" type="checkbox"/> NI	N/A	
						WEATHER CONDITIONS: XXXXX Wind Direction: XXXX
Admin	1	Does the hazard board reflect the environmental hazards on-site?				
	2	Are emergency spill response procedures on display?				
	3	Is a suitably sized and equipped spill kit accessible and fully stocked?				Number of spill kits on site:.....
Sediment Control	4	Are stormwater sumps protected and free of debris that may cause flooding?				
	5	Are the stockpiles being progressively stabilised, or been fully stabilised?				
	6	Is dewatering water taking place (ie water leaving the site)?				SRP1 Discharging? (Y/N) Turbidity Value.....(NTU), Temperature.....(degrees C), pH.....
	7	If discharge from SRPs is occurring has turbidity, temperature and pH been measured?				SRP2 Discharging? (Y/N) Turbidity Value.....(NTU), Temperature.....(degrees C), pH.....
	8	Are site entrances clear of mud and debris?				
Trees	9	Are all silt fences free of debris and without need for maintenance or repair?				
	10	Do any of the perimeter bunds require maintenance or replair?				
	11	What is the current estimated capacity of the sediment ponds?				SRP1.....m3 (.....%) SRP2.....m3 (.....%)
	12	Does the forebay or main part of the SRPs need to be desilted?				SRP1 (Y/N) SRP2 (Y/N)
Hazardous Substances	13	Is vegetation removal taking place?				
	14	Are the areas of vegetation to be retained adequately defined?				
	15	Are trees undamaged and the drip line areas of trees clear from materials & plant?				
	16	Has an ER13 been completed for the activities active on site at the time of the inspection?				
	17	What is the current noise level recorded at the boundary of the site and what is the predicted level?				At source.....dB, At boundary.....dB, modelled/predicted level at nearest properties.....dB
	18	Is concrete run-off being managed appropriately?				
	19	Is mechanical plant free from oil leaks?				
	20	Is secondary bunding available for all stored hazardous substances over 20L?				
	21	Is the HSN0 container tidy and items appropriately segregated?				
	22	Is the online register up-to-date?				
Dust	23	Are the required SDS held on site?				
	24	Are the volumes of substances held onsite under the permissible threshold?				
	25	Are work areas, access roads and stockpiles effectively managed for dust control?				

Action #	Corrective/Preventive Action	Assigned to	Due Date	Date Closed
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Inspection Team			
Name:	Signature:	Name:	Signature:
Name:	Signature:	Name:	Signature:
Name:	Signature:	Name:	Signature:

Figure 10: Environmental Inspection Checklist (Reservoir Construction Phase)

12.3. Corrective and Preventive Action

In the first instance corrective and preventative actions will be carried out in accordance with the conditions of the resource consents, designation, the licence agreement and as set out in the Management Plans. The corrective and preventive action process aligns with the Quality Management systems operated by HEB Construction. Corrective and preventative actions will be identified through compliance monitoring, audits, and complaints/feedback processes. The actions will be assessed and when relevant discussed with WCC/GWRC. The CEMP and the sub management plans, and operating procedures will be updated as required.

12.4. 12.4 Management Review

Each month, a report from the Project Manager will be provided to the client Wellington Water and will include a summary of the environmental and consent compliance activities and status. Annually (or when any major changes to legislation or policy occurs), a management review of the CEMP and the sub management plans will be undertaken at the end of each phase of work i.e. preconstruction, construction and post construction and provided to the client WWL. This review will be led by the Project Manager and will include the Environmental Manager. The review will focus on how environmental compliance is being managed and achieved and identifying areas of improvement. During the construction phase of the project external spot reviews are likely to occur. These will come in the form of the Contract Management Review process administered by the Wellington Water. The review could be one of the following:

- Contract management reviews, or
- Lessons learnt reviews, or
- Special purpose audits