

Memo

Date 24 June 2021




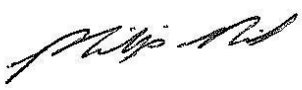
To: Phill Reid, Auckland-wide Manager
 From: **Bronnie Styles, Planning Technician**

Subject: **Plan Modification: Clause 20A Amendment to Chapter K Designations of the Auckland Unitary Plan (AUP) Operative in part (15 November 2016).**

Delegated authority to T4 manager through Schedule 2A of the Auckland Council Combined Chief Executives Delegation Register (Updated May 2017).

This plan modification requires decision-making pursuant to clause 20A of the First Schedule to the Resource Management Act 1991, as corrections are required to the Auckland Unitary Plan (Operative in Part).

Rule or Section of Unitary Plan	Chapter K Designations - Watercare Services Ltd
Subject Site (if applicable)	N/A
Legal Description (if applicable)	N/A
Nature of change	<p>Administrative changes are required to correct three Watercare Services Ltd designations to the Operative in Part version.</p> <p>Discussion</p> <p>In accordance with section 184 of the Resource Management Act (the Act), designations lapse five years after being included in the plan unless the designation has been given effect to or the designation specified a different period when incorporated into the plan.</p> <p>A requiring authority may, within three months before the expiry of lapse date, request Auckland Council to fix the lapse date for a longer period for designations which have not been given effect to.</p> <p>Auckland Council wrote to all requiring authorities requesting :</p> <ol style="list-style-type: none"> Confirmation as to whether any designations due to expire in 2021 have either been given effect to and if not whether a longer lapse period is required. <p>Where a longer lapse period is required, a section 184 application needs to be lodged with Auckland Council. The application is required to include the reasons for a longer lapse date and show that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made (section 184(2(b))).</p> <ol style="list-style-type: none"> That they review and confirm whether the information of each designation was correct.
Effect of change	These changes are minor in nature. The amendments do not change

	<p>the application or intent of the provisions.</p> <p>There is no effect nor impact upon either the environment or the person.</p>
Changes required to be made (text/in-text diagrams)	<p>Amend Chapter K Designations, Watercare Services Ltd designation lapse dates and location as shown below by the strikethrough and underscore :</p> <ul style="list-style-type: none"> - 9374 Sanderson Road Water Treatment Plant 15/11/2024 <u>Given effect to (i.e. no lapse date)</u> - 9375 Northern Interceptor Phases 3 & 6 "Location" From 56 The Concourse, Henderson to 4 - 6 Hobsonville Road, West Harbour ; and from 15 The Knoll, Greenhithe to Rosedale Wastewater Treatment Plant" - 9465 Kohimarama Wastewater Storage Tank 15/11/2024 <u>Given effect to (i.e. no lapse date)</u> <p>in the Operative in Part version.</p>
Changes required to be made (maps)	N/A
Attachments	<p>Attachment A: 9374 Sanderson Road Water Treatment Plant Attachment B: 9375 Northern Interceptor Phases 3 & 6 Attachment C: 9465 Kohimarama Wastewater Storage Tank Attachment D: Watercare North West Schedule</p>
<p>Prepared by: Bronnie Styles Planning Technician</p>	<p>Text Entered by: Bronnie Styles Planning Technician</p>
<p>Signature: </p>	<p>Signature: </p>
<p>Maps prepared by: N/A Geospatial Specialist</p>	<p>Reviewed by: Kasey Zhai Policy Planner</p>
<p>Signature: N/A</p>	<p>Signature: </p>
<p>Signed off by: Phill Reid Manager Planning – Auckland-wide</p>	
<p>Signature: </p>	

**Attachment A: 9374 Sanderson Road
Water Treatment Plant**

9374 Sanderson Road Water Treatment Plant

Designation Number	9374
Requiring Authority	Watercare Services Ltd
Location	86 Hudson Road, Warkworth
Rollover Designation	Yes
Legacy Reference	Designation 955, Auckland Council District Plan (Rodney Section) 2011
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Water supply purposes

Conditions

General Conditions

1. Except as modified by the conditions below and subject to final design, the works shall be undertaken in general accordance with the information provided by the Requiring Authority in the Notice of Requirement dated 12 March 2013 and supporting documents being "Sanderson Road Water Treatment Plant Assessment of Effects on the Environment", dated 12 March 2013.
2. The designation shall lapse if not given effect within 5 years from the date on which it is included in the District Plan.

Earthworks

3. A detailed erosion and sediment control plan shall be included with the Outline Plan prior to construction.

Archaeology and Heritage

4. If any archaeological sites, including human remains are exposed during site works then the following procedures shall apply:
 - a. Immediately after it becomes apparent that an archaeological or traditional site has been exposed, all site works in the immediate vicinity shall cease.
 - b. The Requiring Authority shall immediately secure the area so that any artefacts or remains are untouched.
5. The Requiring Authority shall notify Tangata Whenua, Heritage New Zealand Pouhere Taonga, and the Council (and in the case of human remains, the New Zealand Police) as soon as practicable, and advise those parties that an archaeological site has been exposed so that appropriate action can be taken. Work shall not recommence in the immediate vicinity of the archaeological site until approval is obtained from Heritage New Zealand Pouhere Taonga.

Building height

6. The maximum height of treatment plant buildings, tanks and chemical storage facilities shall not exceed 9 metres. This limitation shall not apply to masts, antennas, aerials or other ancillary structures.

Visual effects assessment

7. A detailed Landscape and Visual Assessment shall be undertaken and submitted with the Outline

Plan to establish the water treatment plant on site.

8. A detailed Landscape and Planting Plan including specifications identifying total number, species and size of all plants to be planted shall be submitted with the Outline Plan to establish the water treatment plant on site.

Noise

9. Any noise (associated with the normal operation of the Water Treatment Plant) at the notional boundary of an adjacent rural or residential site shall be no more than:

- a. Monday to Saturday 6am to 6pm: 50dBA (Leq)
- b. Sundays and Public Holidays, 6am to 6pm: 45dBA (Leq)
- c. At all other times: 40 dBA (Leq)

These limits (associated with the normal operation of the Water Treatment Plant) exclude noise associated with normal property maintenance (e.g. mowing lawns).

Attachments

No attachments.

**Attachment B: 9375 Northern
Interceptor Phases 3 & 6**

9375 Northern Interceptor Phase 3 & 6

Designation Number	9375
Requiring Authority	Watercare Services Limited
Location	From 56 The Concourse, Henderson to 4 – 6 Hobsonville Road, West Harbour ; and from 15 The Knoll, Greenhithe to Rosedale Wastewater Treatment Plant
Lapse Date	Subject to section 185(1) of the this designation will lapse 20 years from the date it is included in the Auckland Unitary Plan.

Purpose

Wastewater purposes – Northern Interceptor wastewater pipelines, pumping stations, and associated infrastructure.

Conditions

Note: The following terms and acronyms are used in these conditions:

Term	Definition
Consultation	The process of providing information about the construction works, and receiving for consideration, information from stakeholders, directly affected parties, regarding those effects and proposals for the management and mitigation of them.
Cultural Monitor	Nominated Kaitiaki
Directly affected parties	All property owners and occupiers identified in the designation footprint
Northern Interceptor	The Northern Interceptor is comprised of Phases 1 to 6
Project stage	"Project stage" means a separable part of the project, for instance by contract area or by geographical extent.
Stakeholder(s)	The parties as listed in Appendix A
The project	The project is comprised the part of Phase 2 where Phase 2 connects with Phase 5 and Phases 3 to 6 of the Northern Interceptor project

Acronym	Description
AT	Auckland Transport
CCP	Construction Communications Plan
CLMP	Contaminated Land Management Plan
CoPTTM	Code of Practice for Temporary Traffic Management
The Council	The Auckland Council

CMP	Construction Management Plan
CNVMP	Construction Noise and Vibration Management Plan
CPTED	Crime Prevention Through Environmental Design
EMP	Ecological Management Plan
LVMP	Landscape and Visual Management Plan
MOI	Agreement for Movement of Infrastructure
NoR 1	Notice of Requirement – NI (North Shore)
NoR 2	Notice of Requirement – NI (Waitakere)
OPW	Outline Plan of Works
PCCP	Pre-construction consultation plan
PSR	The Auckland Council's Parks, Sports and Recreation department
RMA	Resource Management Act 1991
SRMP	Auckland Council Parks, Sports and Recreation Management Plan
SRP	Site Reinstatement Plan
SSCNVMP	Site Specific Construction Noise and Vibration Management Plan
TCMP	Transpower Construction Management Plan
TMP	Traffic Management Plan
TVMP	Tree and Vegetation Management Plan

General Accordance

1. The activity shall be carried out in general accordance with the plans and all information submitted with the application, and including the documents listed below:

Volume 1

Northern Interceptor Wastewater Project, Volume 1: Assessment of Effects on the Environment and Appendices A-G. Prepared by MWH (now part of Stantec) on behalf of Watercare. Dated 5 May 2016.

Volume 2

Technical Report A: (Assessment of Arboricultural Effects) "Arboricultural Assessment - Northern Interceptor Project: Notices of Requirement," Rev. 4. Prepared by GreensceneNZ. Dated 8 August 2016.

Technical Report B (Archaeological Assessment) "Preliminary Archaeological Assessment – Northern Interceptor Project: Notices of Requirement." Prepared by Clough & Associates. Dated July 2016.

Technical Report C (Ground Contamination Assessment) "Ground Contamination Assessment – Northern Interceptor Project: Notices of Requirement." Prepared by Tonkin + Taylor. Dated July 2016.

Technical Report D (Ecological Assessment) "Ecological Assessment – Northern Interceptor Project." Prepared by Bioresearches. Dated 10 June 2016.

Technical Report E (Assessment of Ground Settlement Effects) "Assessment of Settlement Effects – Northern Interceptor Project: Notices of Requirement." Prepared by Tonkin + Taylor. Dated June 2016.

Technical Report F (Assessment of Landscape and Visual Effects) "Northern

Interceptor Project: Notices of Requirement – Assessment of Natural Character Landscape and Visual Effects." Prepared by Boffa Miskell. Dated 5 October 2016.

Technical Report G (Assessment of Noise and Vibration Effects) "Assessment of Noise &

Vibration Effects – Northern Interceptor Project: NOR" Rp 001 2015801A. Prepared by Marshall Day Acoustics. Dated 5 August 2016.

Technical Report H (Traffic Assessment for Construction and Operation) "Watercare Northern Interceptor Project – Traffic Assessment for Construction and Operation of Northern Interceptor, NoR – Waitakere and North Shore. Prepared by Traffic Design Group. Dated July 2016.

Volume 3

Drawing Set:

Northern Interceptor Concept Design, NoR – NI (Waitakere):

- Designation Plan 1 of 6, plot date Jun 17, 2016
- Designation Plan 2 of 6, plot date Jun 17, 2016
- Designation Plan 3 of 6, plot date Jun 17, 2016
- Designation Plan 4 of 6, plot date Jun 17, 2016
- Designation Plan 5 of 6, plot date Jun 17, 2016
- Designation Plan 6 of 6, plot date Jun 17, 2016

Typical Drawings:

- Northern Interceptor Concept Design Typical Pump Station Layout, DWG No. 80502292-01-001-D002
- Northern Interceptor Concept Design General Pump Station Layout, DWG No. 80502292-01-001-D001

Drawing Set:

Northern Interceptor Concept Design, NoR – NI (North Shore):

- Designation Plan 1 of 10, plot date Mar 24, 2017
- Designation Plan 2 of 10, plot date Jun 17, 2016
- Designation Plan 3 of 10, plot date Jun 17, 2016
- Designation Plan 4 of 10, plot date Oct 05, 2016
- Designation Plan 5 of 10, plot date Mar 07, 2017
- Designation Plan 6 of 10, plot date Mar 16, 2017
- Designation Plan 7 of 10, plot date Mar 16 2017
- Designation Plan 8 of 10, plot date Jun 27, 2016
- Designation Plan 9 of 10, plot date Jun 17, 2016
- Designation Plan 10 of 10, plot date Jun 17, 2016

Prepared by MWH (now part of Stantec) on behalf of Watercare.

Response to Section 92 Request

Section 92 request dated 21 November 2016. Responses to matters relating to landscape and visual amenity and natural character, heritage and archaeology, traffic and transportation, trees, operational air quality and hydraulic noise, parks and statutory planning. Prepared by MWH with support from technical specialists on behalf of Watercare. Dated 23 December 2016.

Where there is inconsistency between:

- (a) The documents provided by the requiring authority and listed above and these conditions, these conditions prevail.

- (b) The information and plans lodged with the Notices of Requirement and presented in evidence on behalf of the requiring authority at the Council hearing, the most recent information and plans prevail.
- (c) The evidence presented at the Council hearing and the management plans required by the conditions of this designation and submitted through the Outline Plan of Works, the requirements of the management plans prevail.

Lapse

- 2. Subject to section 184(1) of the RMA each of these designations will lapse 20 years from the date it is included in the Auckland Unitary Plan.

PRE-CONSTRUCTION CONDITIONS

Network Utility Operators

- 3. The requiring authority must:
 - (a) Work collaboratively with network utility operators during the development of the design for the project to provide for the ongoing operation of and access to their networks;
 - (b) Work collaboratively with network utility operators during the preparation and implementation of the CMP in relation to the management of adverse effects on the assets of network utility operations;
 - (c) Undertake communication and consultation with network utility operators as soon as reasonably practicable, and at least once prior to construction timing being confirmed and construction methodology, and the duration being known.

Management plans

- 4. An Outline Plan of Works (OPW) is to be submitted to the Council prior to commencement of construction works. As part of any OPW required for the project the requiring authority shall prepare and submit the following management plans to the Council:
 - (a) Construction Management Plan (CMP)
 - (b) Construction Communications Plan (CCP)
 - (c) Auckland Council Parks, Sports and Recreation Management Plan (SRMP)
 - (d) Site Reinstatement Plan (SRP)
 - (e) Ecological Management Plan (EMP) for works located in the areas listed in condition 29
 - (f) Construction Noise and Vibration Management Plan (CNVMP)
 - (g) Traffic Management Plan (TMP)
 - (h) Tree and Vegetation Management Plan (TVMP)
 - (i) Landscape and Visual Management Plan (LVMP) where the works addressed by the OPW include the development of above-ground structures and buildings
 - (j) Contaminated Land Management Plan (CLMP)
- 5. The management plans identified in condition 4 are to be implemented and maintained throughout the entire construction period.
- 6. A Pre-Construction Consultation Plan (PCCP) is to be submitted to Council in accordance with condition 12 within 12 months of these designations being confirmed.
- 7. Site specific Construction Noise and Vibration Management Plans (SSCNVMP) are to be submitted to Council in accordance with conditions 58 to 60 at least 5 days prior to the commencement of the relevant activity.
- 8. Any substantive change to any of the management plans identified above in conditions 4, 5 and 7 shall:
 - (a) continue to achieve the objective or purpose of the management plan; and
 - (b) not result in non-compliance with other conditions of the designations.

9. Any management plan updated as a result of a substantive change is to be submitted to the Council (Team Leader – Specialist Integration Compliance) at least ten working days prior to any such substantive change taking effect.

Section 176 approval

10. In the period before construction begins on the project, the following activities undertaken by network utility operators will not prevent or hinder the project, and can be undertaken without seeking the requiring authority's written approval under section 176(1)(b) of the RMA:
 - (a) Operation, maintenance and urgent repair works of existing network utilities;
 - (b) Minor renewal works to existing network utilities necessary for the on-going provision or security of supply of network utility operations;
 - (c) Minor works such as new service connections;
 - (d) Upgrade and replacement of existing network utilities in the same location with the same or similar effects as the existing utility.

For the avoidance of doubt, in this condition an "existing network utility" includes infrastructure operated by a network utility operator which was:

- (i) In place at the time the Notice of Requirement for the project was served on the Council on 10 October 2016; or
- (ii) Undertaken in accordance with this condition, or the section 176(1)(b) RMA process.

Advice Note:

Nothing in this condition affects the application of section 177 of the RMA, which applies where land designated for the project is the subject of an earlier designation or heritage order.

11. In the period before construction begins on the project, the following activities undertaken by PSR will not prevent or hinder the project, and can be undertaken without seeking the requiring Authority's written approval under section 176(1)(b) of the RMA:
 - (a) Operation, maintenance and urgent repair works;
 - (b) Minor renewal works;
 - (c) Upgrade and replacement of existing facilities within the same location and with the same or similar effects as the existing facility.

Pre-construction Consultation Plan (PCCP)

12. The requiring authority shall prepare a PCCP for the pre-construction phase of the project which shall be submitted to the Council (Team Leader Specialist Integration Compliance) within 12 months of the designation being confirmed. The PCCP must include:
 - (a) The method(s) of consultation and liaison with key stakeholders and the owners/occupiers of neighbouring properties regarding project progress, likely commencement dates of construction works, and works programming and staging; and
 - (b) Full contact details of a nominated liaison person to manage the public information system and be the point of contact for related enquiries.
13. The PCCP is to be implemented, complied with and publicly available from the date which the PCCP is submitted to Council until the date which a CCP prepared in accordance with condition 41 is submitted to Council.

Detailed design

14. During the design phase of the project, the requiring authority shall, in consultation with Auckland Transport (AT), is to consider the position of the proposed pipe in the road corridor for the purpose of ensuring that the project can be undertaken in a manner that will minimise adverse effects on the operation and maintenance of the affected road assets. To achieve this, the requiring authority shall take into account the following matters:

- (a) Alignment and depth of pipes. Particular consideration shall be given to the depth of the pipe to provide for maintenance and renewal of road assets and for other utility services to cross the pipe;
- (b) Location of air and scour valves (where practicable, these are to be located outside of the carriageway);
- (c) Location of manholes; and
- (d) Future access, operation and maintenance of the proposed assets.

Appointment of a Project Arborist

15. Prior to the commencement of design, the requiring authority shall appoint a qualified arborist (Project Arborist(s)) for the duration of the design and construction of the works. The role of the Project Arborist(s) is to:

- (a) Provide advice to the requiring authority during the design on how the design and location of works can avoid, remedy or mitigate effects on protected trees.
- (b) Supervise all works within the dripline of protected trees.

Advice Note:

For clarity, a "protected tree" is defined as either a) any tree greater than 4m in height or greater than 400mm in girth, or b) any tree that is scheduled in the Auckland Unitary Plan.

Vector Condition

16. There are assets owned by Vector Limited within the designated corridor, namely electricity distribution assets (including 110kV overhead lines) in vicinity of the Rosedale Wastewater Treatment Plant 33kV overhead and underground; 11kV overhead and underground; and LV overhead and underground), gas distribution assets (up to and including the IP20 pipeline); and communications assets. The requiring authority shall consult with Vector Limited and shall enter into an infrastructure agreement (MOI) describing how the assets are to be relocated, and how the costs are to be apportioned. That agreement shall be consistent with Vector's standard "Agreement for Movement of Infrastructure", and shall be in place prior to any works taking place pursuant to the designation that might affect Vector's assets.

4 – 6 Hobsonville Road Condition

17. The top of any pipeline enabled by this Project shall be at a maximum RL level of 25 metres within the boundaries of 4 – 6 Hobsonville Road, West Harbour (Section 6 SO 445955) CT-579283.

Advice Note:

For clarity, maximum RL level means that the pipeline shall be at a depth no shallower than the RL level expressed in condition 17.

MANAGEMENT PLAN CONDITIONS

Construction Management Plan – preparation, compliance and monitoring

18. As part of the OPW to be submitted to the Council (Team Leader Specialist Integration Compliance) prior to commencement of construction works, the requiring authority shall prepare a Construction Management Plan or Plans (CMP) for the relevant project stage. The purpose of the CMP is to confirm final project details and staging of works to illustrate that the works remain within the limits and standards required by these conditions and that the construction and operation activities will avoid, remedy or mitigate adverse effects on the environment.

On request, the requiring authority shall provide a copy of the CMP(s) to interested mana whenua entities.

Construction Management Plan (CMP)

19. The CMP required by condition 18 above, must include sufficient details relating to the management of all construction activities associated with the relevant project stage to which it relates, including:

- (a) Details of the site or project manager and the construction liaison person, including their contact details (phone, postal address, email address);
- (b) An outline construction programme;
- (c) The proposed hours of work;
- (d) The measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal / storage of rubbish, storage and unloading of construction materials and similar construction activities;
- (e) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean-up;
- (f) Location(s) of the site infrastructure including site offices, site amenities, contractors' yards, site access, equipment unloading and storage areas, contractor car parking, and security;
- (g) Procedures for controlling sediment run-off, dust and removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site(s);
- (h) Means of providing for the health and safety of the general public;
- (i) Procedures for responding to complaints about construction activities;
- (j) Measures to address CPTED issues at and around any construction site(s);
- (k) Procedures for the refuelling of plant and equipment;
- (l) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean-up;
- (m) Methods and systems to inform and train all persons working on the sites of potential environmental issues and how to avoid remedy or mitigate any potential adverse effects;
- (n) Details of information signage to inform members of the public about construction activities within parks and reserves. Details shall include, but not be limited to, works durations, impacts on recreational use of reserves and information about the project.

Traffic Management Plan (TMP)

20. A detailed TMP is to be prepared for the project and or specific project site/s by an appropriately qualified person. A draft TMP shall be provided to the relevant road controlling authority for certification at least twenty working days prior to submission to the Council. A copy of the TMP certified by the relevant road controlling authority shall be provided to the Council (Team Leader Specialist Integration Compliance) as part of any required OPW. The objective of the TMP shall be to provide a framework for the management of adverse traffic effects resulting from the project to the greatest extent practicable.
21. The TMP shall be updated as necessary to reflect any substantive change, including any substantive change agreed to by the road controlling authority.
22. The TMP must describe the measures that will be taken to avoid, remedy or mitigate the traffic effects associated with construction of the project. In particular, the TMP must include:
 - (a) The traffic management measures to maintain traffic capacity and safety or to minimise the impact on traffic capacity including any restrictions (for instance limited hours of operation);
 - (b) Methods to manage the effects of access and egress from construction sites including the delivery of construction material, plant and machinery and associated noise effects;
 - (c) Measures to maintain existing vehicle access to property where practicable, or to provide alternative access arrangements when it will not be;
 - (d) Measures to maintain pedestrian and cyclist movements and to reduce the impact on mobility impaired users on roads, cycleways and footpaths adjacent to the construction works. Such access shall be safe, clearly identifiable and seek to minimise significant

- detours; and to maintain a cycle route where it exists, unless it is not practicable to do so for short periods in order to maintain public health and safety;
- (e) Any road, footpath, or cycleway closures and removal of kerbside parking that will be required and the nature and the duration of any traffic management measures that will result, including any temporary restrictions, detours or diversions for general traffic and buses. In the event of any closures, the TMP shall describe the communications plan for local residents, the signage to pre-warn of closures and the organisations to be advised of the proposed footpath closures (including but not limited to the Blind Foundation);
 - (f) Any proposed monitoring to measure the impact of the works on traffic and vice versa. If safety or operational issues are evident, the methodology for measures to be implemented to address these issues;
 - (g) Measures to manage the proposed access to the site should access be unable to cater for two-way traffic passing at the same time, and in particular to minimise reverse movements and blocking of the road;
 - (h) The availability of on-street and off-street parking if the project sites are unable to accommodate all contractor parking. This is to include an assessment of available parking (if any) for contractors on the street and to identify measures to meet and/or reduce contractor parking demand should it be found that there is insufficient on-street parking to meet that demand; and
 - (i) Any proposed traffic assessments, including modelling where appropriate undertaken in consultation with the relevant road controlling authority which addresses intersection performance, capacity of affected road corridors and sites with existing high traffic and/or pedestrian movements.
- (j) with existing high traffic and/or pedestrian movements.

Construction Noise and Vibration Management Plan (CNVMP)

23. A CNVMP is to be prepared by an appropriately qualified person. The CNVMP shall be submitted to the Council (Team Leader Specialist Integration Compliance) as part of any required OPW and shall be updated when necessary to ensure it is consistent with the project, plant and construction methodologies should they evolve during the project. Any change to the CNVMP that may give rise to a higher level of noise or vibration effects for any receiver than is otherwise authorised by the project noise and vibration standards shall be submitted to Auckland Council for certification (Team Leader Specialist Integration Compliance). The objective of the CNVMP is to set out the management procedures and methods to be taken in order to avoid, remedy or mitigate potential noise and vibration effects arising from construction activities on adjacent landowners and occupiers.
24. The CNVMP must be prepared in accordance with the Noise Management Plan requirements of Annex E2 of NZS 6803:1999 Acoustics - Construction Noise and shall describe the measures adopted to, as far as practicable, meet the noise limits conditions 51.
25. For predicted exceedances of less than 5 decibels (refer condition 51) monitoring shall be undertaken to confirm the actual noise levels. If the exceedance is shown to be more than 5 decibels, or the period exceeds those detailed in condition 51, then a Site-Specific Construction Noise Management Plan will be prepared in accordance with conditions 57 to 59.
26. The CNVMP must also describe measures to be adopted to meet the requirements of the German Standard DIN 4150-3:1999, and as a minimum shall address the following aspects with regard to construction vibration:
- (a) Vibration sources, including machinery, equipment and construction techniques to be used;
 - (b) Provision for determining the buildings and structures that will require pre- and post-condition surveys;

- (c) Preparation of building and structure condition surveys on 'at risk' buildings and structures prior to, during and after completion of works, where for the purposes of this condition an 'at risk' building or structure is one at which the levels in the German Standard DIN 4150-3:1999 are likely to be approached or exceeded;
- (d) Use of building and structure condition surveys to determine the sensitivity of the building(s) and structure(s) on the adjacent sites to ground movement in terms of the Line 1-3 criteria of the German Standard DIN 4150 – 3:1999;
- (e) Identification of any particularly sensitive activities in the vicinity of the proposed works (for instance commercial activity using sensitive equipment such as radiography or mass-spectrometry) along with the details of consultation with the landowners and occupiers of the sites where the sensitive activities are located and any management measures that will be adopted based on this consultation;
- (f) The consultation undertaken by the requiring authority with affected parties to develop the proposed vibration management measures and any feedback received from those parties, along with the vibration management measures based on this consultation that will be adopted;
- (g) Methods for monitoring and reporting on construction vibration; and
- (h) Methods for receiving and responding to complaints about construction vibration.

Auckland Council Parks, Sports and Recreation Management Plan (SRMP)

27. Prior to commencement of the works authorised by these designations, the requiring authority shall submit a SRMP for the relevant project stage to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW. The objective of the SRMP is to minimise as far as practicable adverse effects on the recreation amenity of public parks and reserves resulting from the project.
28. To achieve the objective of the SRMP, the SRMP must include:
- (a) Details of consultation undertaken by the requiring authority with Auckland Council Parks, Sports and Recreation (PSR) during the development of the detailed design and during construction within parks and reserves;
 - (b) Details of measures proposed to, where practicable, provide for the ongoing operation of and access to PSR maintained parks and reserves during construction;
 - (c) Measures to ensure suitable alternatives to the carparking that may be lost during construction activities within parks or reserves;
 - (d) Measures to coordinate as far as practicable, future works around PSR projects in parks and reserves;
 - (e) A record of all consultation undertaken in relation to the development of the SRMP, how feedback has been incorporated, and where feedback has not been incorporated, the reasons why.

Advice Note:

More information on the process can be found in the agreement titled Watercare and PSR "Watercare works on Auckland Council's Parks and Reserves Standard Approval Procedure" dated 23 March 2017, or any updated version that supersedes that document.

Ecological Management Plan (EMP)

29. An EMP developed by an appropriately qualified ecologist (Project Ecologist) is to be submitted to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW for surface works in the following locations:
- (a) Taitapu Park;
 - (b) Lowtherhurst Reserve;
 - (c) Tinema Stream Riparian Corridor;
 - (d) The eastern abutment of the Greenhithe Bridge;
 - (e) North Wainoni Park; and
 - (f) North Shore Golf Course (coastal edges).

- (g) Any other public areas within the designation boundary deemed significant by the Project Ecologists that have become so since the designation was confirmed and that are of equivalent value as (a) to (f).

The objective of the EMP is to minimise as far as practicable adverse ecological effects resulting from the project. The EMP is to be implemented and maintained throughout the entire construction period.

- 30. To achieve the objective of the EMP, the EMP must include the following:
 - (a) Confirmation by the Project Ecologist that the SRP and TVMP have been reviewed and certified as providing adequate ecological mitigation to achieve the objective of the EMP (condition 29);
 - (b) Methods of lizard and nesting bird pre-clearance surveying;
 - (c) Details of capture-relocation methodologies and timeframes where required;
 - (d) Details of habitat enhancement/protection measures;
 - (e) Details of predator control programmes including methodologies and timeframes; and
 - (f) Details of monitoring to assess the effectiveness of the above mitigation and habitat enhancement measures.

Tree and Vegetation Management Plan (TVMP)

- 31. Prior to commencement of construction, the requiring authority shall prepare a TVMP. The objective of the TVMP is to provide a framework for the management of adverse arboricultural effects.
- 32. The TVMP is to be provided to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW.
- 33. To achieve the objective of the TVMP, the TVMP must include:
 - (a) Details (species, size, location, age class) of the trees identified for removal by the Project Arborist;
 - (b) Contact details of the Project Arborist;
 - (c) Details of site-specific areas where arboricultural supervision monitoring and/or direction are required;
 - (d) Details of areas of continuous vegetation that will be required to be removed for the project and that require replacement re-vegetation;
 - (e) Details of site-specific re-vegetation including plant species, ground preparation, weed control measures and planting methodologies;
 - (f) Details of re-vegetation maintenance measures;
 - (g) Details of where, in the opinion of the Project Arborist:
 - (i) tree protection fencing is required;
 - (ii) hand digging, probing and exploratory excavation is required;
 - (h) Details of how the removal of protected trees shall be avoided where practicable; and
 - (i) Details of where the removal of protected trees has been identified as being necessary and details of measures to be adopted to mitigate or remedy associated adverse arboricultural effects.

Landscape and Visual Management Plan (LVMP)

- 34. A LVMP is to be prepared for the project by a registered landscape architect. A copy of the LVMP must be provided to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW that includes the development of above-ground structures and buildings or works in the coastal environment. The objective of the LVMP is to provide a framework to avoid, remedy or mitigate the adverse landscape, natural character

and visual effects of the project's above ground structures and buildings, or works in the coastal environment.

35. The LVMP must describe the measures that will be taken to achieve the objective of the LVMP as described in condition 34. In particular, the LVMP must describe:
- (a) The location of above-ground structures and buildings, the landscape setting and surrounding land uses;
 - (b) The layout, architectural form and detail of proposed buildings and above-ground structures;
 - (c) Measures adopted to ensure that above-ground structures and buildings are appropriate to their context and minimise as far as practicable adverse effects on the amenity of the surroundings (including neighbouring properties) having regard to their functional nature;
 - (d) How proposed materials are sufficiently robust and minimise the potential for graffiti and vandalism;
 - (e) The extent to which the buildings are visually recessive through (for example) the use of appropriate colours, textures and modulation;
 - (f) The extent to which buildings are designed to achieve appropriate visual amenity and scale with their surroundings through such aspects as modulation of building form, articulation of building components, and use of architectural detail;
 - (g) The extent to which any planting mitigates the effects of above-ground structures, vegetation loss and enhances amenity and/or natural values of the surroundings;
 - (h) How site configuration, landscaping and planting maximises the use of CPTED principles;
 - (i) How comments from PSR (as required by condition 27) has been incorporated, and where feedback has not been incorporated, the reasons why; and
 - (j) How mitigation measures proposed in any SRP, TVMP and EMP contribute to the achievement of the LVMP objective.

Site Reinstatement Plan (SRP)

36. Prior to commencement of works at all surface construction sites (including but not limited to areas within private property, roads, and Auckland Council parks and reserves), the requiring authority shall prepare a SRP for the site, in consultation with the affected landowner(s). The objective of the SRP is to provide for the reinstatement of property and assets directly affected by the project to the standard that existed prior to the works being undertaken.
37. The SRP is to be submitted to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW and shall be progressively implemented following completion of each project stage(s).
38. To achieve the objective of the SRP, the SRP must:
- (a) Identify any existing structures, vegetation, landscape (including soil) and other features on the site to be protected during works or reinstated on completion of the works;
 - (b) Identify any existing traffic control devices (including signs, street furniture and road markings) affected by the works and to be reinstated on completion of the works;
 - (c) Provide details of the measure to be adopted to ensure the protection of any existing structures, vegetation, landscape (including soil) and other features on the site identified to be protected during works;
 - (d) Provide details of the measures to be adopted for the reinstatement on completion of works of any existing structures, vegetation, landscape (including soil) and other features on the site identified to be reinstated upon completion of works;
 - (e) Include a summary of all consultation undertaken in relation to the development of the SRP (including comments received from PSR in accordance with condition 27), how feedback has been incorporated, and where feedback has not been incorporated, the reasons why; and
 - (f) Identify the location and type of all physical works on the site.

Contaminated Land Management Plan (CLMP)

39. A CLMP shall be prepared and submitted to the Council (Team Leader Specialist Integration Compliance) as part of any required OPW to set out the framework for the management of the adverse effects relating to contaminated land during the construction of the project. The objective of the CLMP is to avoid, remedy or mitigate the adverse effects of construction on human health which may result from the disturbance of contaminated material during construction.
40. To achieve the objective in condition 39 above, the CLMP should set out the procedures for the earthworks the contractor will follow during the works, and how these procedures will be implemented. The procedures must include (but not necessarily be limited to):
- (a) Excavation, handling and storage requirements;
 - (b) Dust and erosion control measures to prevent the discharge of contaminants;
 - (c) Health and safety procedures;
 - (d) Disposal of contaminated soils to a landfill approved to take the material;
 - (e) Procedures for identifying and managing unexpected discovery of contaminated soils or hazardous materials; and
 - (f) Appointment of a contaminated land specialist who meets the requirements of an appropriately qualified and experienced practitioner set out in the "National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health Users' Guide (2012)" Ministry for the Environment.

Construction Communications Plan (CCP)

41. The requiring authority shall prepare a CCP for the construction phase of the project or for each project stage, and submit the plan to Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW. The CCP must set out:
- (a) The method(s) of consultation and liaison with key stakeholders and the owners/occupiers of neighbouring properties regarding the likely commencement, duration and effects of works;
 - (b) Measures for consulting with mana whenua to identify any culturally sensitive sites that require cultural monitors;
 - (c) Details of prior consultation or community liaison undertaken with the parties referred to in (a) above, including outlining any measures developed with such persons or groups to manage or to mitigate any adverse effects or inconvenience that may arise;
 - (d) Full contact details for a nominated liaison person who will manage the public information system and be the point of contact for related enquiries.

Transpower NZ Construction Management Plan (TCMP)

42. The requiring authority shall prepare a TCMP for the sections of the Northern Interceptor where the pipeline or any site works are to be undertaken within 12 metres of the centreline of the HEN-OTA A 220kV transmission line in the span between Towers 88 and 89, to ensure the protection of these transmission assets. The TCMP shall demonstrate that the design and construction methodology complies with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP34:2001) and will not compromise the ongoing operation, maintenance and upgrading of the HEN-OTA A transmission assets.
43. The TCMP shall be prepared in consultation with Transpower NZ Limited and a draft must be given to Transpower NZ for its review and comment at least 6 months prior to being submitted to the Council. A record of consultation and any comments provided by Transpower on the final draft must be included with the final TCMP.
44. The TCMP shall be provided to the Auckland Council (Team Leader Specialist Integration Compliance) as part of any required OPW.
45. All works/activities are to be undertaken in accordance with the TCMP.

46. The TCMP (as required by condition 42 above) must include (but is not necessarily-limited to) the following:
- (a) The name, experience and qualifications of the person/s nominated by the requiring authority to supervise the implementation of, and adherence to, the TCMP;
 - (b) Construction drawings, plans, procedures, methods and measures to demonstrate that all construction activities undertaken on the site will meet the safe distances within the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34:2001) or any subsequent revision of the Code, including but not limited to those relating to:
 - (i) Excavation and Construction near Towers (Section 2);
 - (ii) Building to Conductor clearances (Section 3);
 - (iii) Ground to Conductor clearances (Section 4);
 - (iv) Mobile Plant to conductor clearances (Section 5); and
 - (v) People to conductor clearances (Section 9).
 - (c) Details of any areas that are "out of bounds" during construction and within which additional management measures are required, such as fencing off, entry and exit hurdles and the minimum height for any hurdles. Where a safety observer is required, this shall be at the requiring authority's cost.
 - (d) Details of contractor training for those working near the HEN-OTA A transmission line.

CONSTRUCTION CONDITIONS

Pre-commencement Meeting

47. Prior to the commencement of works authorised by these designations, the requiring authority shall arrange and conduct a pre-start meeting that:
- (a) Is held at a location on the designated route;
 - (b) Is scheduled not less than five days before the anticipated commencement of works;
 - (c) Includes relevant and appropriate Council and AT representatives;
 - (d) Includes representation from the contractors who will undertake the works; and
 - (e) Is attended by the Project Arborist. The Council's project arborist shall also be invited to attend the pre-commencement meeting.
48. The requiring authority shall invite representatives from interested mana whenua entities to attend the pre-start meeting to undertake tikanga.
- Advice note:**
A list of self-identified mana whenua is contained in Appendix A.
49. The following information shall be made available by the requiring authority at the pre-start meeting:
- (a) Timeframes for key stages of the works authorised by the designation;
 - (b) The designation conditions and the conditions of any resource consent approved for the relevant phase(s) of the project;
 - (c) The OPW, including all necessary management plans;
 - (d) The contact details for key contractors.

Consultation with network utility operators

50. The requiring authority shall undertake ongoing communication and consultation with network utility operators affected by the project throughout the duration of construction, including in relation to design and implementation stages to co-ordinate works and to manage effects of the project on their respective networks.

Construction noise and vibration standards

51. Noise arising from construction activities on land shall be measured and assessed in accordance with NZS 6803:1999 Acoustics - Construction Noise and shall, unless otherwise provided for in an SSCNVMP in accordance with conditions 57 to 59 comply with the noise limits set out in the following table:

Day	Time	LAeq	LAmx
Residential Receivers			
Weekdays	0630h – 0730h	55 dB	75 dB
	0730h – 1800h	70 dB	85 dB
	1800h – 2000h	65 dB	80 dB
	2000h – 0630h	45 dB	75 dB
Saturday	0630h – 0730h	45 dB	75 dB
	0730h – 1800h	70 dB	85 dB
	1800h – 2000h	45 dB	75 dB
	2000h – 0630h	45 dB	75 dB
Sundays and Public Holidays	0630h – 0730h	45 dB	75 dB
	0730h – 1800h	55 dB	85 dB
	1800h – 2000h	45 dB	75 dB
	2000h – 0630h	45 dB	75 dB
Commercial and Industrial receivers			
All	0730h – 1800h	70 dB	
	1800h – 0730h	75 dB	

52. Construction activities shall comply with the guideline vibration limits set out in the German Standard DIN 4150 – 3:1999 unless varied pursuant to conditions 23 or 57.

53. In addition to the requirements of condition 56 and subject to any variation in accordance with condition 57, vibration from construction shall also comply with the following vibration limits for the management of amenity effects:

- (a) A limit of 2mm/s PPV when measured on the foundation of any building occupied (at the time of the works being undertaken) at any office, meeting room, retail space, dwelling, visitor accommodation, retirement village, care centre, classrooms in education facilities and healthcare facilities between the hours of 7am and 10pm on any day.
- (b) A limit of 0.3mm/s PPV when measured on the foundation of any building containing a bedroom or overnight stay facility where sleep protection is required that is occupied (at the time of the works being undertaken) between the hours of 10pm and 7am on any day.

54. The limits above may be exceeded only where an SSCNVMP has been finalised in accordance with condition 57 for the specific activity and affected receiver(s).

Advice Note:

For the purpose of condition 54, finalized means: at the completion of the time period for Council to provide comments to the Requiring Authority to be incorporated into the final version of any SSCNVMP.

55. Regenerated noise from tunnelling works shall not exceed a level of 35 dBLAeq(15 min) when measured in any occupied bedroom or sleeping area between the hours of 10pm and 7am on any day. The application of these limits shall only be investigated upon receipt of a complaint from the occupier(s).

56. The guideline vibration limits set out in the German Standard DIN 4150 – 3:1999 must not be exceeded except where the requiring authority can demonstrate to the satisfaction of the Council in advance:
- (a) That the receiving building(s) are capable of withstanding higher levels of vibration and what the new vibration limit is. The investigation required to demonstrate this must include an assessment of the building(s) by a chartered professional engineer or otherwise appropriately qualified person and a full pre-condition survey; and
 - (b) That the requiring authority has obtained the written agreement of the building owner(s) and occupier(s), that a higher limit may be applied.

Site Specific Construction Noise and Vibration Management Plan (SSCNVMP)

57. A SSCNVMP is to be prepared for any receiver or activity for which construction noise and/or vibration is predicted or measured to exceed any of the limits set out in conditions 51, 52, 53, 55 and 56 or when construction noise is either predicted or measured to exceed any of the limits set out in conditions 51, 52, 53, 55 and 56, except where the exceedance of the standards in condition 51 is less than 5 decibels and does not exceed:
- (a) 0700-2200: 1 period of up to 2 consecutive weeks in any 2 months; or
 - (b) 2200-0700: 1 period of up to 2 consecutive nights in any 10 days.
58. The SSCNVMP must establish the best practicable option (BPO) for noise mitigation to be implemented for the construction activity and must include.
- (a) a description of the works which will generate noise and or vibration levels which cannot be practicably mitigated to achieve compliance with the project noise and vibration standards;
 - (b) the days and times when the activity will be permitted to exceed the project noise and / or vibration controls;
 - (c) the proposed noise and / or vibration limits for the specific activity;
 - (d) a record of all consultation and communication specific to the reasons for and development of the SSNCMVP with the affected receiver(s);
 - (e) noise and/ or vibration monitoring to be undertaken during the specific activity; and
 - (f) a short description of alternative methods or options to complete the works or mitigate the effects that have been discounted and why.
59. Every SSCNVMP is to be submitted to the Auckland Council (Team Leader Specialist Integration Compliance) at least 5 days prior to the commencement of the activity. Any reasonable and practicable comments received from the Council within 3 days must be incorporated into the final version.

Time restrictions on construction works

60. The hours of work for surface activities shall be from 0730 to 1800 on weekdays and Saturdays unless surface activities that are planned to be undertaken outside of these hours at night or on Sundays or public holidays are specified in terms of their location, duration, timing and predicted noise and vibration levels in the CNVMP required by condition 23.
61. During the school term, the requiring authority shall manage construction activities in the vicinity of Greenhithe Road between Sunnyview Road and Wainoni Heights, and on Churchouse Road to minimise as far as practicable the number of construction vehicle movements during the peak morning hours of 8:30am and 9:15am and the afternoon peak period of between 2:45pm and 3:30pm in the proximity of the schools.
62. Construction activities on Appleby Road should be timed so that they occur during school holiday periods.

Traffic management

63. All site access locations should achieve minimum sight distance standards. Where acceptable sight distances cannot be achieved, movements relating to the deficient sight

distances should be banned and / or temporary speed limit measures imposed so as to reduce traffic operating speeds to a point at which an acceptable sight distance is achieved.

64. The TMP(s) required by condition 20 shall be consistent with the CoPTTM that applies at the time of construction taking into account any temporary speed limit or additional traffic controls that may be imposed as part of the work.
65. Any damage in the road corridor or shared paths directly caused by construction traffic shall be repaired as soon as practicable.

Tree and vegetation management

66. Any required tree pruning shall be carried out in accordance with correct arboricultural practices by a competent arboricultural contractor.
67. Re-vegetation required by the conditions above shall:
 - (a) Be undertaken within the first planting season (typically May to September) following the completion of the construction activities;
 - (b) Comprise plant species appropriate to the area, chosen for site-specific conditions and where possible, eco-sourced; and
 - (c) Be an equal mix of grade sizes between root trainer and PB12 and spaced no greater than one metre apart or as appropriate to the grade, species, type and specific location within the site being planted.
68. The removal of trees shall be carried out in accordance with acceptable arboricultural standards and practice by a suitably qualified and experienced arborist.
69. Where stand-alone trees greater than 4 metres in height are to be removed, replacement trees shall be established on a two-for-one basis. The species, size and location of the replacement trees shall be determined in consultation with the relevant asset manager or property owner.

Kauri die back

70. The requiring authority shall ensure that any works within 30 metres of any Kauri will be undertaken in accordance with best practice procedures to prevent the introduction or spread of Kauri dieback disease. Best practice procedures will be developed in conjunction with the Auckland Council (Manager Biosecurity).

Walkways/Cycleways

71. If requested to do so in writing by either AT or the relevant Local Board, the Requiring Authority shall design the supports of the identified pipebridge so as to not preclude the potential future shared use of the pipe bridge supports for a workway/cycleway facility. The Requiring Authority shall advise both AT and the relevant Local Board of this opportunity prior to starting any design work on the pipe bridge.

Transpower Transmission Line (HEN-OTA A)

72. The requiring authority must ensure that access to the "HEN-OTA A" transmission line for maintenance work (at all reasonable times) and for emergency works (at all times) is not adversely affected by the works.
73. Should conductive material need to be used within 12 metres of HEN-OTA A Tower 88, the requiring authority must undertake a risk assessment and implement any necessary mitigation measures to control induction and transferred voltages, Earth Potential Rise and cathodic protection.
74. Unless Transpower NZ agrees otherwise, excavation or disturbance of the land around HENOTA A Tower 88 shall not:

- (a) exceed a depth greater than 300mm within 6 metres of the outer edge of the visible foundations of the tower; or
 - (b) exceed a depth greater than 3 metres between 6 metres and 12 metres of the outer edge of the visible foundation of the tower; or
 - (c) destabilise the tower.
75. No excavated material, fill or construction material can be stockpiled or deposited under the HENOTA A transmission line that reduces the conductor to ground clearance to less than 7.5 metres vertically.
76. All machinery and mobile plant operated in association with the works shall maintain a minimum clearance distance of 4 metres from the HEN-OTA A transmission line at all times.
77. A warning sign ~~is~~ to be clearly displayed at the operator position on any mobile plant - "WARNING, KEEP 4M MINIMUM CLEARANCE FROM TRANSMISSION LINES AT ALL TIMES" at any location where the mobile plant can reasonably traverse under the HEN-OTA A transmission line.

POST-CONSTRUCTION

Section 176 approvals

78. Following construction of the project (or a section thereof), the following activities undertaken by network utility operators that will not prevent or hinder the project, and can be undertaken no closer than 500mm to any below ground infrastructure, can be undertaken without seeking the requiring authority's written approval under section 176(1)(b) of the RMA:
- (a) Maintenance and urgent repair works of exiting Network Utilities;
 - (b) Minor renewal works to existing Network Utilities necessary for the on-going provision or security of supply of Network Utility Operations;
 - (c) Minor works such as new service connections; and
 - (d) Upgrade and replacement of existing Network Utilities within the same location with the same or similar effects as the existing utility;

Works greater than those described above shall be subject to the approval of the requiring authority under section 176 but approval shall not be unreasonably withheld.

Designation boundaries

79. As soon as reasonably practicable, and no later than the point at which any part or parts of the project becomes operational, the requiring authority shall:
- (a) Review the extent of the area designated for the project. This review shall include consultation with:
 - (i) AT to enable the efficient operation of the road network; and
 - (ii) PSR in relation to parks included in the designation.
 - (b) Identify any areas of designated land that are no longer necessary for construction of the project, or no longer necessary from the on-going operation and/or maintenance of the project or for on-going mitigation measures;
 - (c) Give notice to the Council in accordance with section 182 of the RMA for the removal of those parts of the designation identified in (b) above.

Operational noise standards

80. Operational noise shall not exceed the following project criteria when measured from within the boundary of a site in a residential zone or when measured from any area of a park or reserve used for active recreation:

Time	Noise Level
Monday to Saturday 7am – 10pm	50dB LAeq
Sunday 9am - 6pm	
All other times	40dB LAeq 75dB LAFmax

81. Operational noise shall be measured in accordance with New Zealand Standard NZS 6801:2008 "Acoustics – Measurement of Environmental Sound" and assessed in accordance with New Zealand Standard NZS 6802:2008 "Acoustics – Environmental Noise".

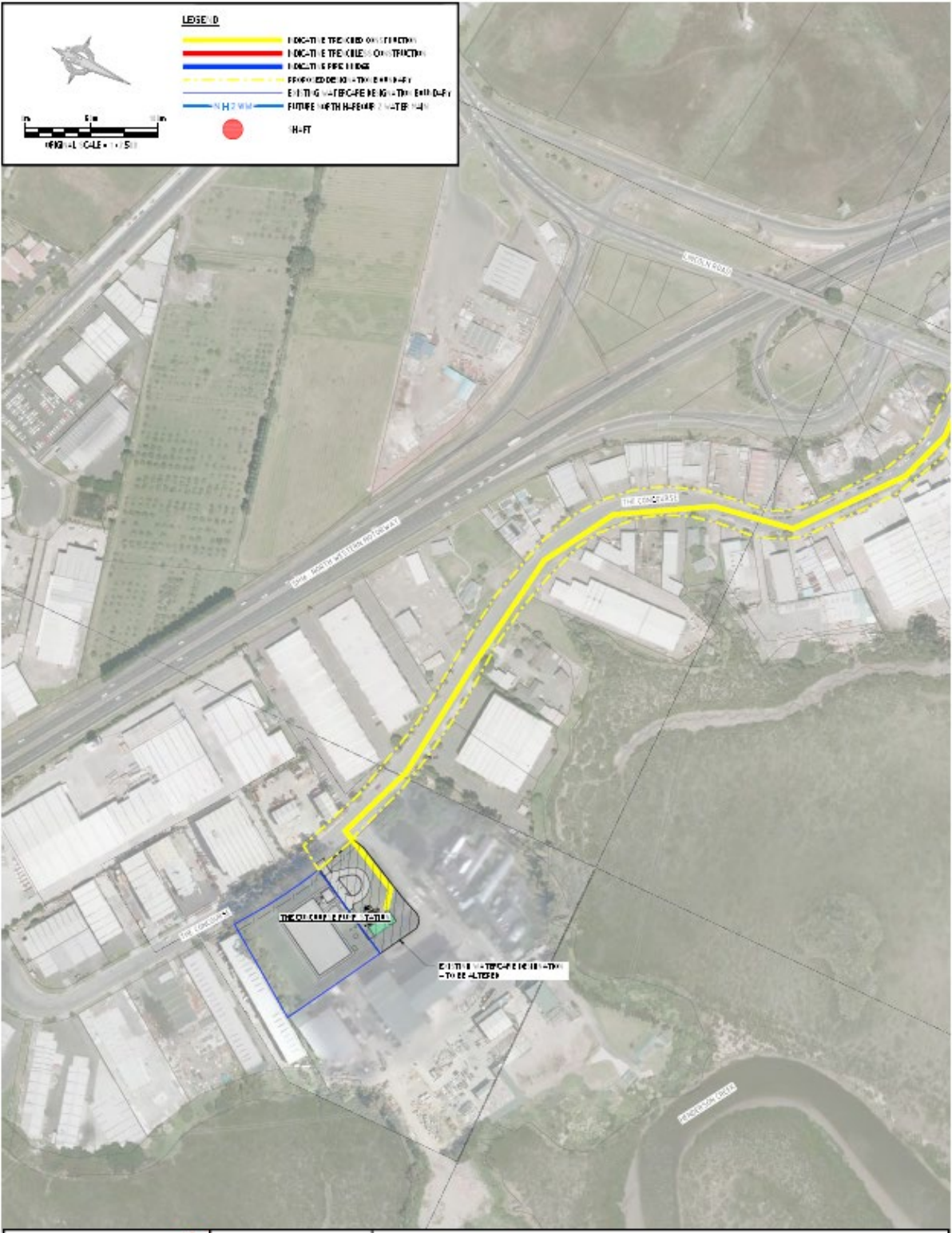
Attachments

Appendix A: List of Stakeholders

Northern Interceptor NoR – NI (North Shore) and NoR – NI (Waitakere)

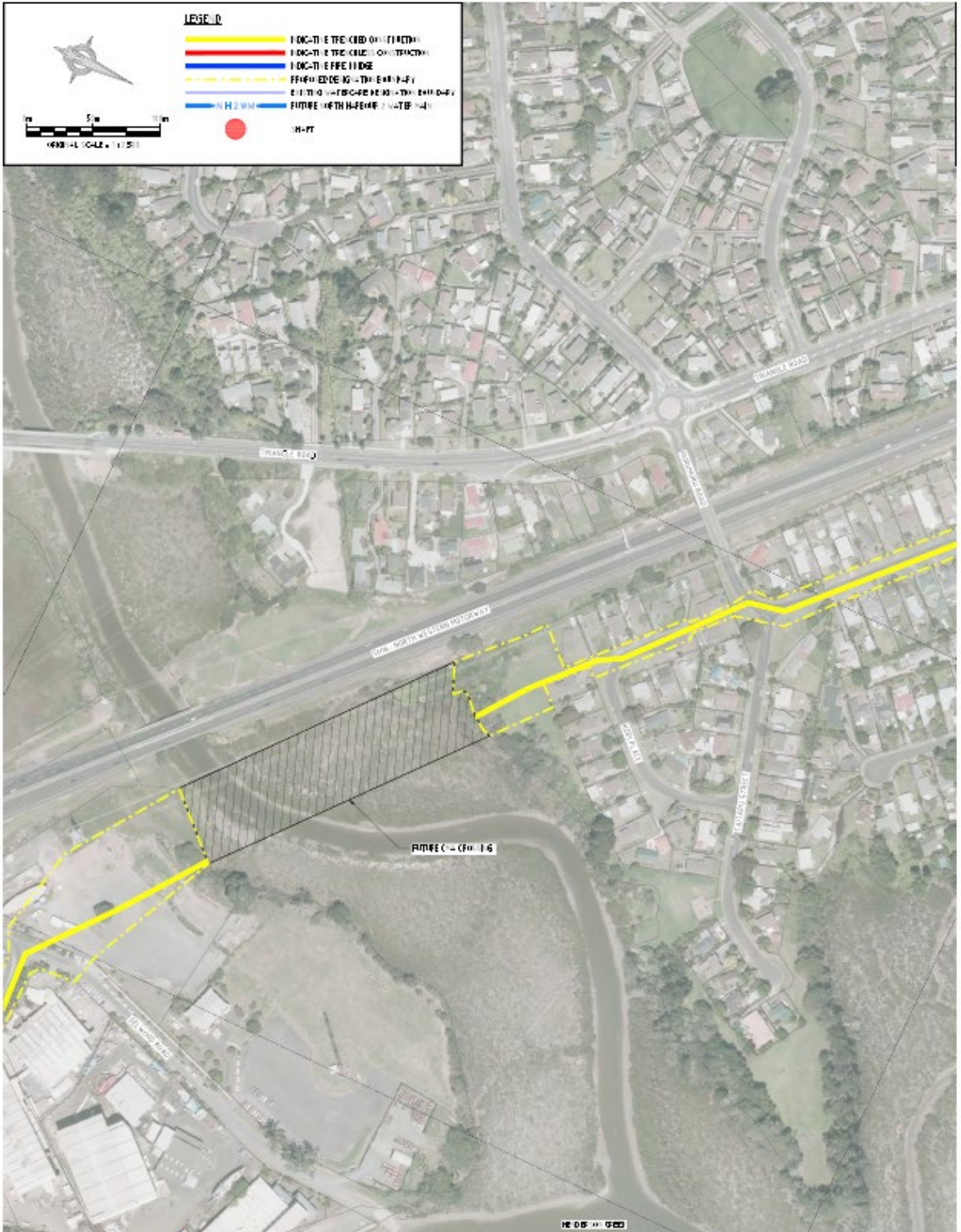
The following listed parties constitute stakeholder(s) for the purposes of the Pre-Construction Consultation Plan and the Construction Communications Plan.

- Ministry of Education
- Greenhithe School
- Albany Junior High School
- Auckland Council Parks, Sports and Recreation where works are proposed in the following locations:
 - *Taitapu Park*
 - *Lowtherhurst Reserve*
 - *Makora Park*
 - *Holmes Reserve*
 - *Manutewhau Reserve*
 - *St Margarets Park*
 - *Esplanade Reserve (Upper Harbour Highway)*
 - *Collins Park*
 - *Wainoni Park*
 - *Wharepapa Reserve*
 - *Rosedale Park*
- North Harbour Air Gun Club
- Greenhithe Pony Club
- Greenhithe Riding for the Disabled
- North Shore Dog Training Club
- Greenhithe Residents' Association
- the owner and occupier of any private land for which entry and or physical works is required.
- The owner of 15 and 16 The Knoll
- The eight mana whenua entities who have indicated ongoing interest in the Project being:
 - Ngāti Manuhiri
 - Ngāti Whātua o Ōrākei
 - Te Kawerau a Maki
 - Ngāti Maru
 - Te Akitai
 - Te Rūnanga o Ngāti Whātua;
 - Ngaati Whanaunga
 - Ngāti Paoa
- The owner and occupier of 4 – 6 Hobsonville Road
- Network utility operators with assets within or adjacent to the designation including but not limited to:
 - Radio New Zealand
 - Auckland Transport
 - New Zealand Transport Agency
 - Transpower
 - Vector



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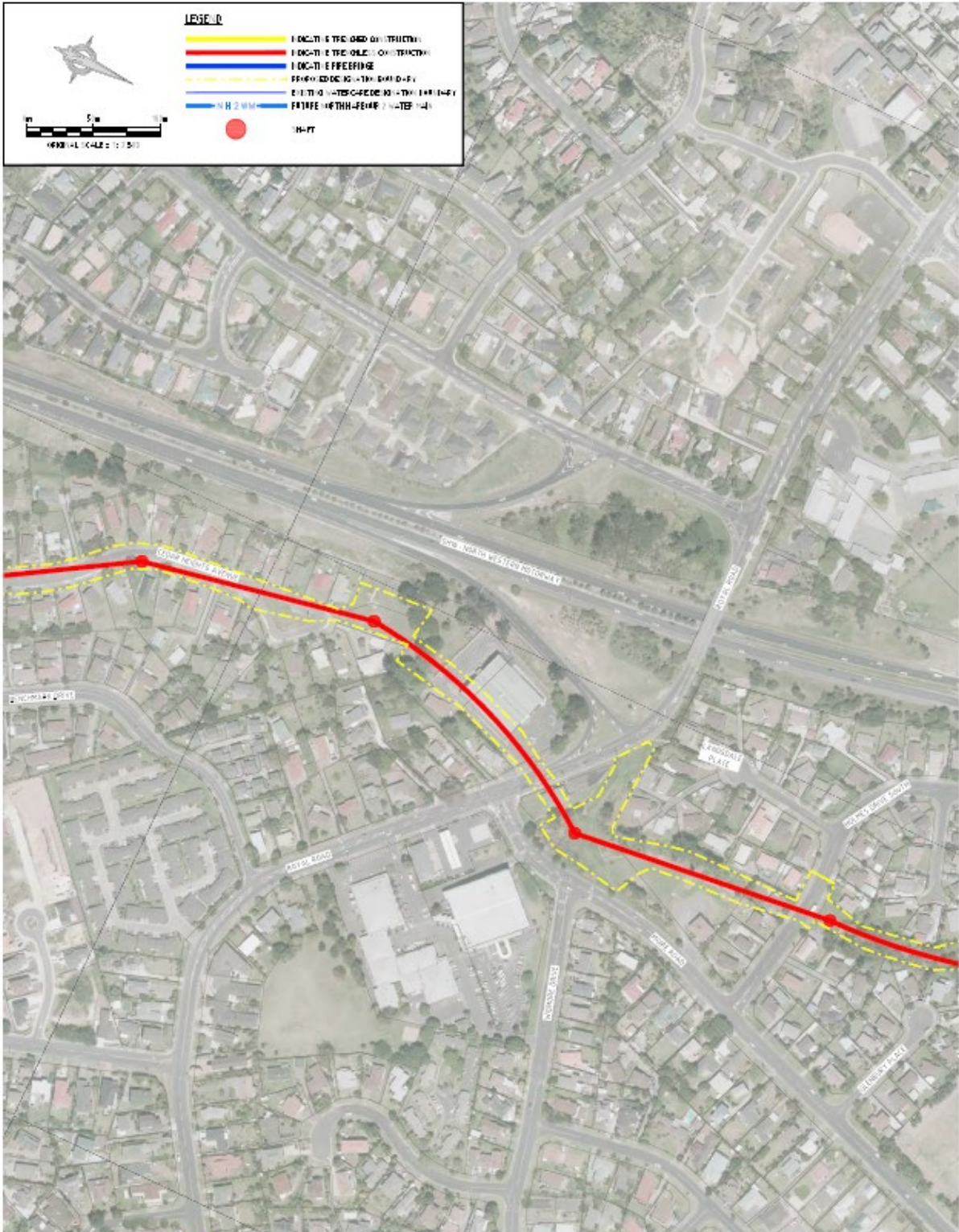
 <p>Watercare</p> <p><small>Watercare Ltd - The Auckland Water and Wastewater Utility 1000 The Esplanade, Auckland, New Zealand 09 308 9000 www.watercare.co.nz</small></p>	 <p>MWH</p> <p><small>MWH Global 27, rue de la Woluwe, 1200 Brussels, Belgium +32 (0) 27 77 40 00 www.mwh.com</small></p>	<p>Northern Interceptor Concept Design NoR-NI (Waitakere) Designation Plan : Sheet 2 Of 6</p>
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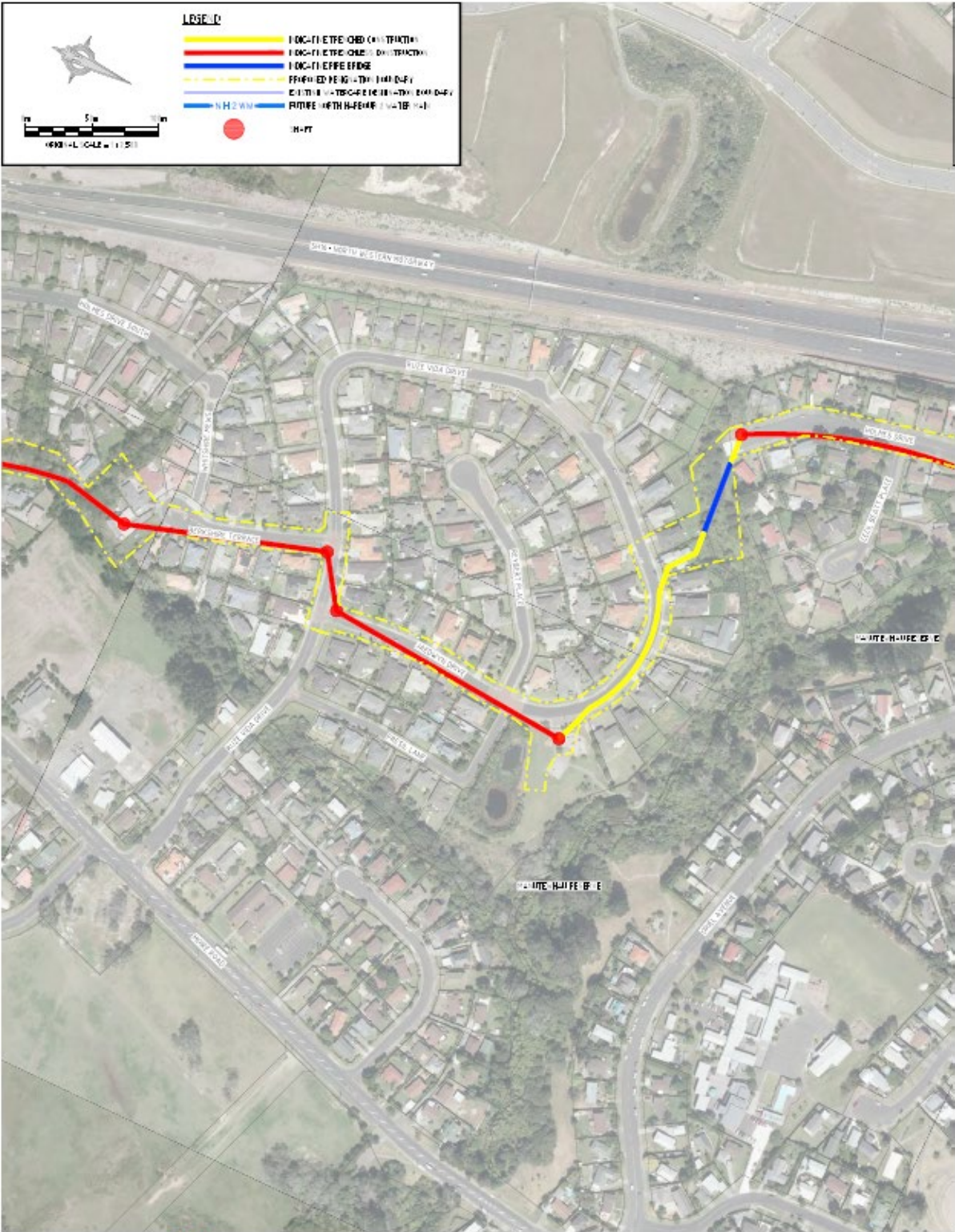
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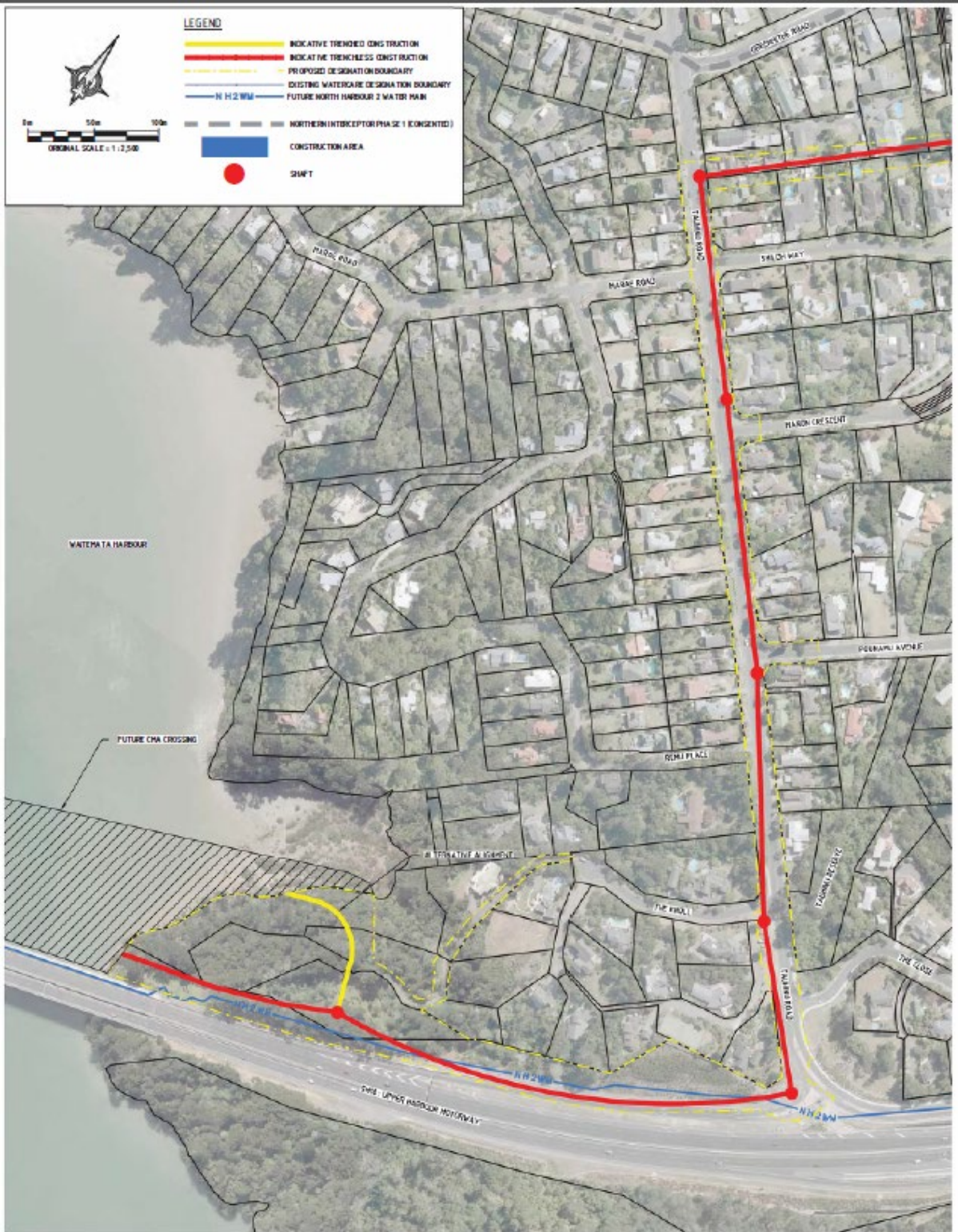
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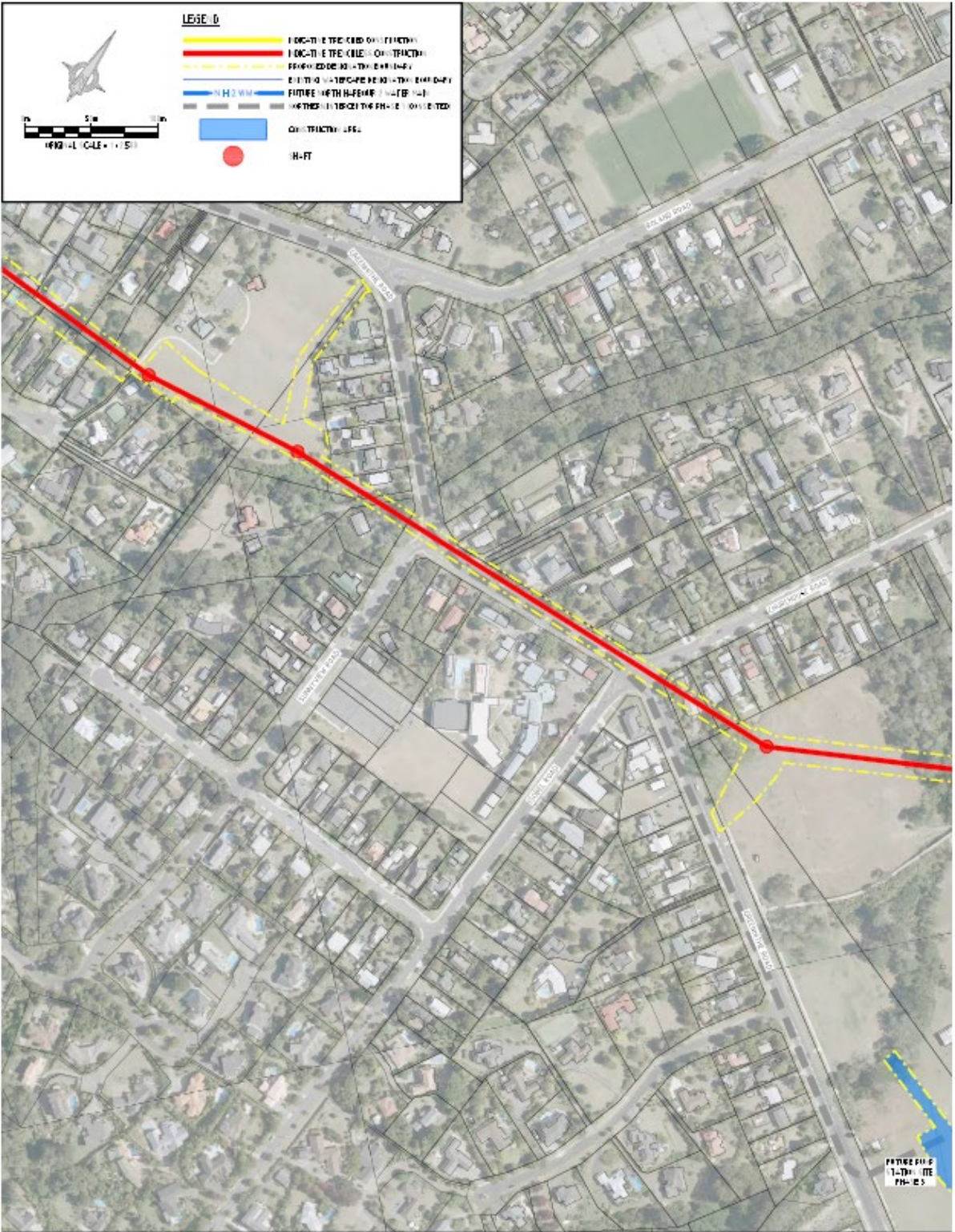
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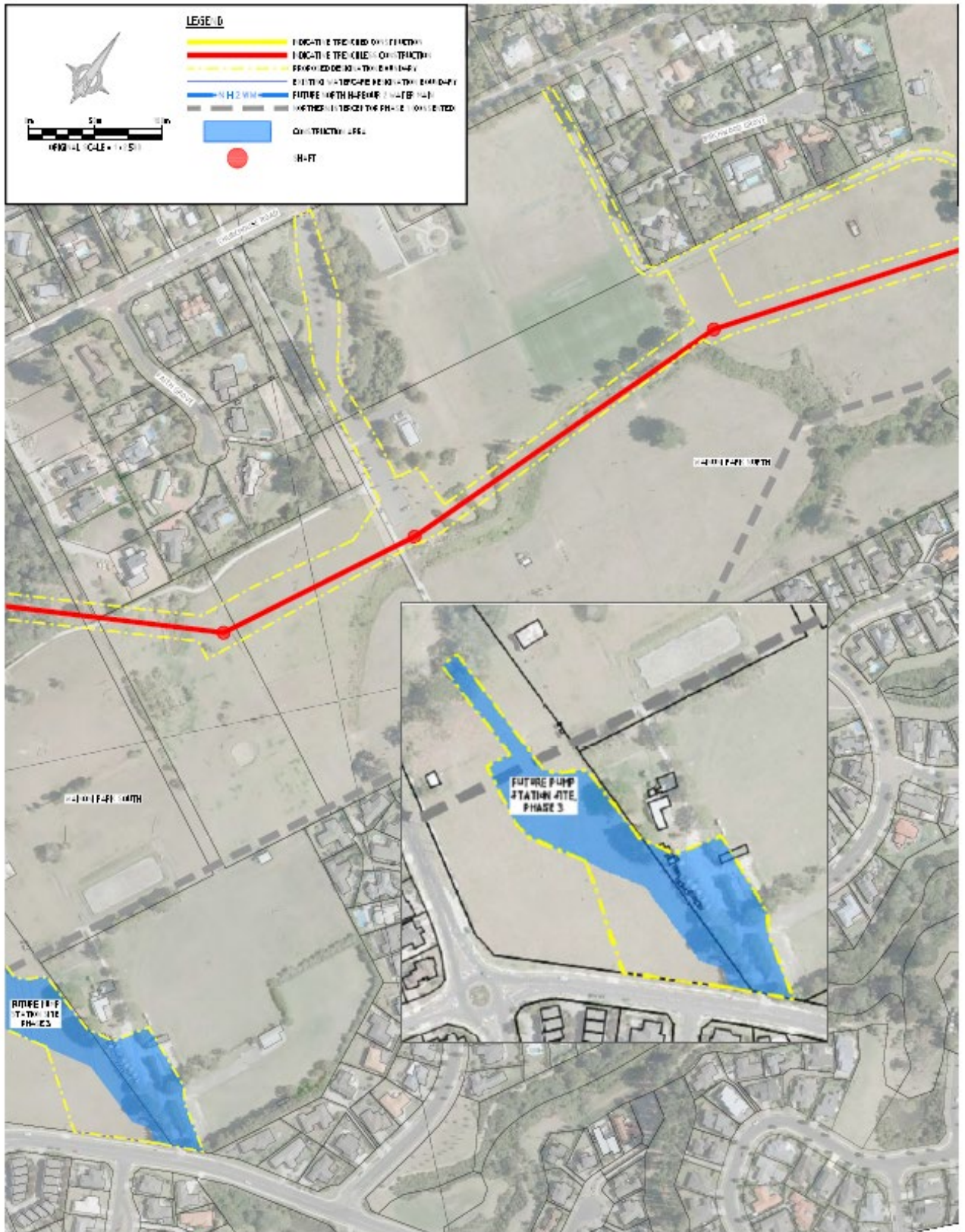
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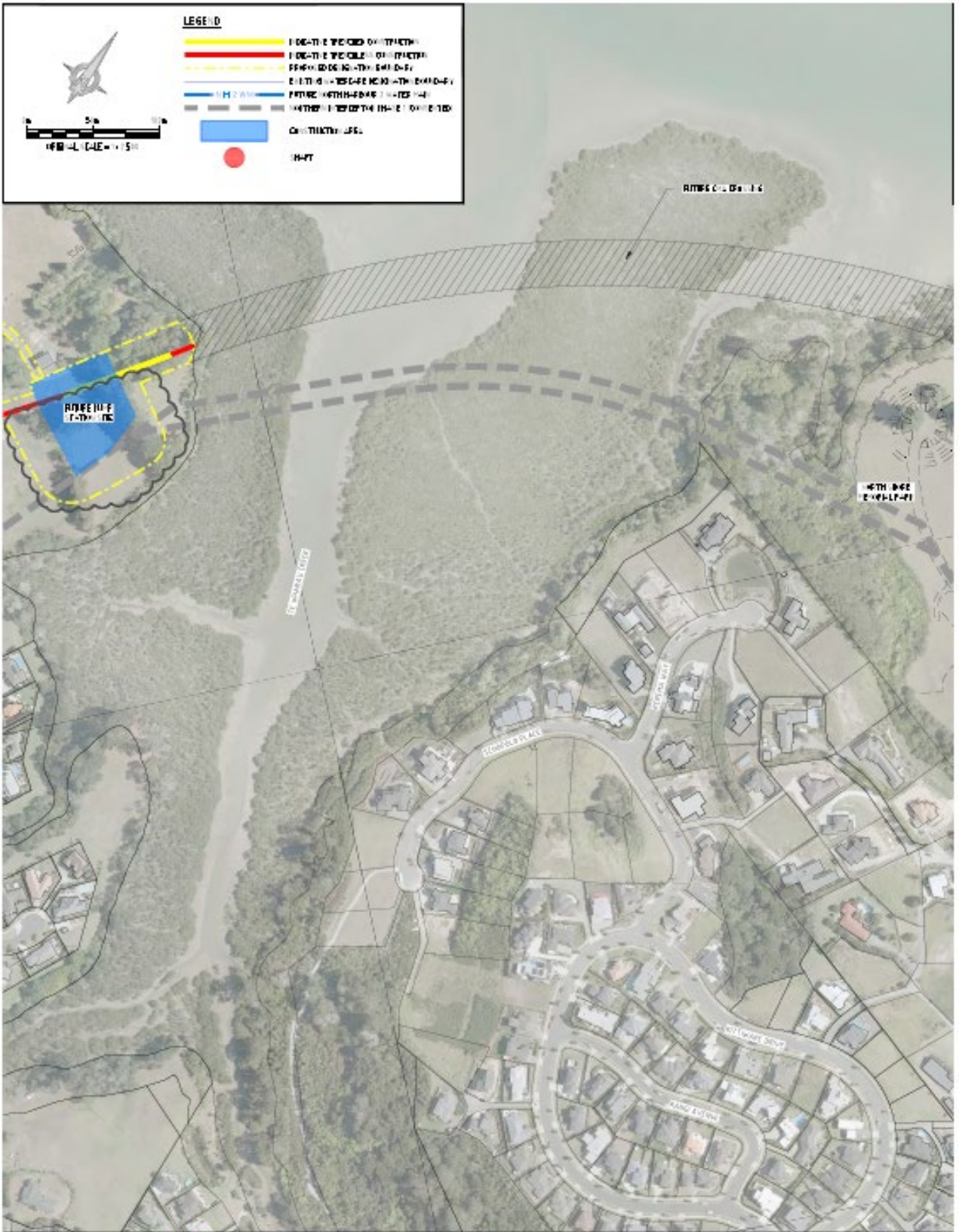
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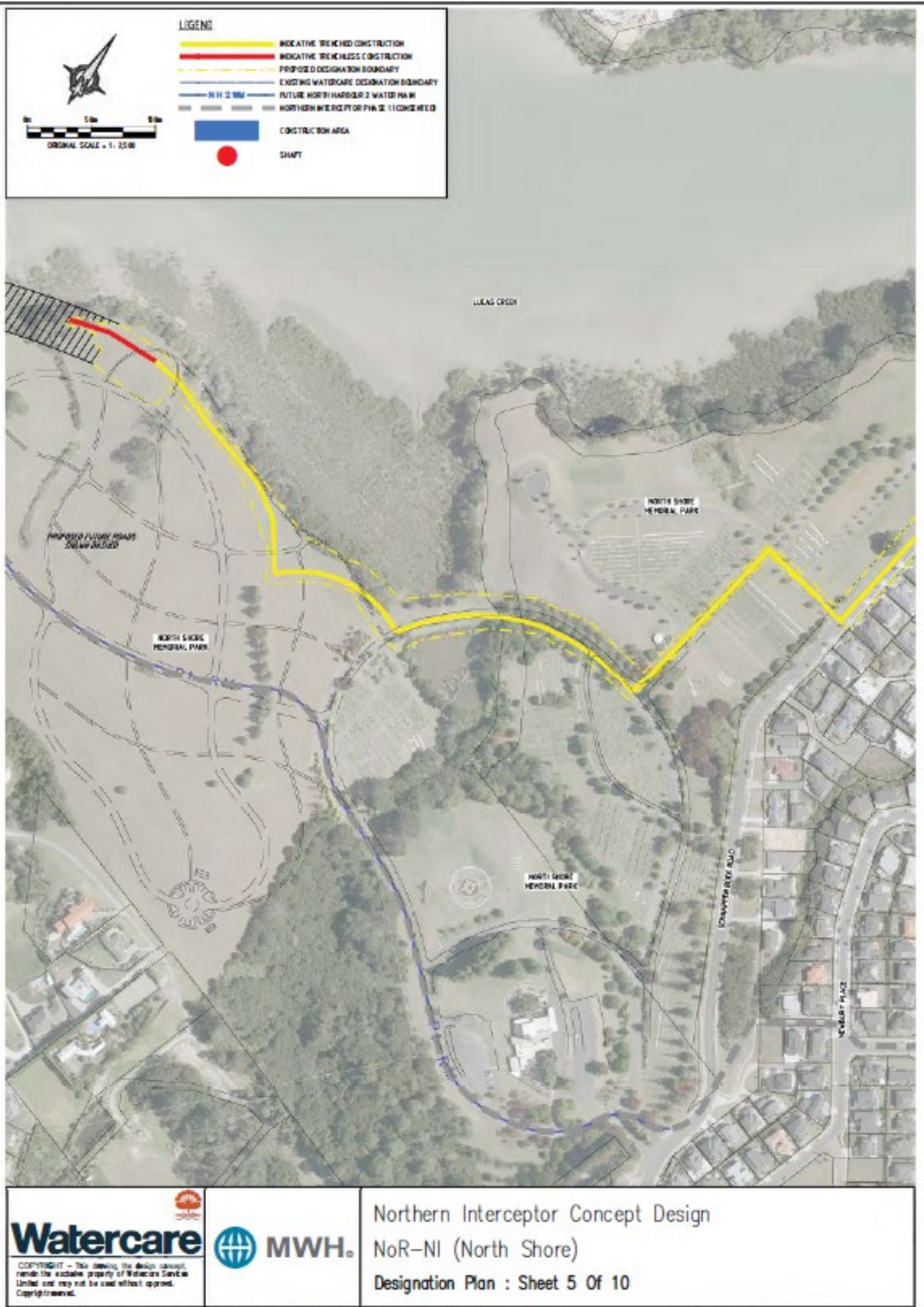
 <p>Watercare</p> <p><small>Watercare is a Crown Entity established under the Resource Management Act 1991. It is responsible for the collection, treatment and distribution of wastewater services to its customers.</small></p>	 <p>MWH.</p>	<p>Northern Interceptor Concept Design</p> <p>NoR-NI (North Shore)</p> <p>Designation Plan : Sheet 3 Of 10</p>
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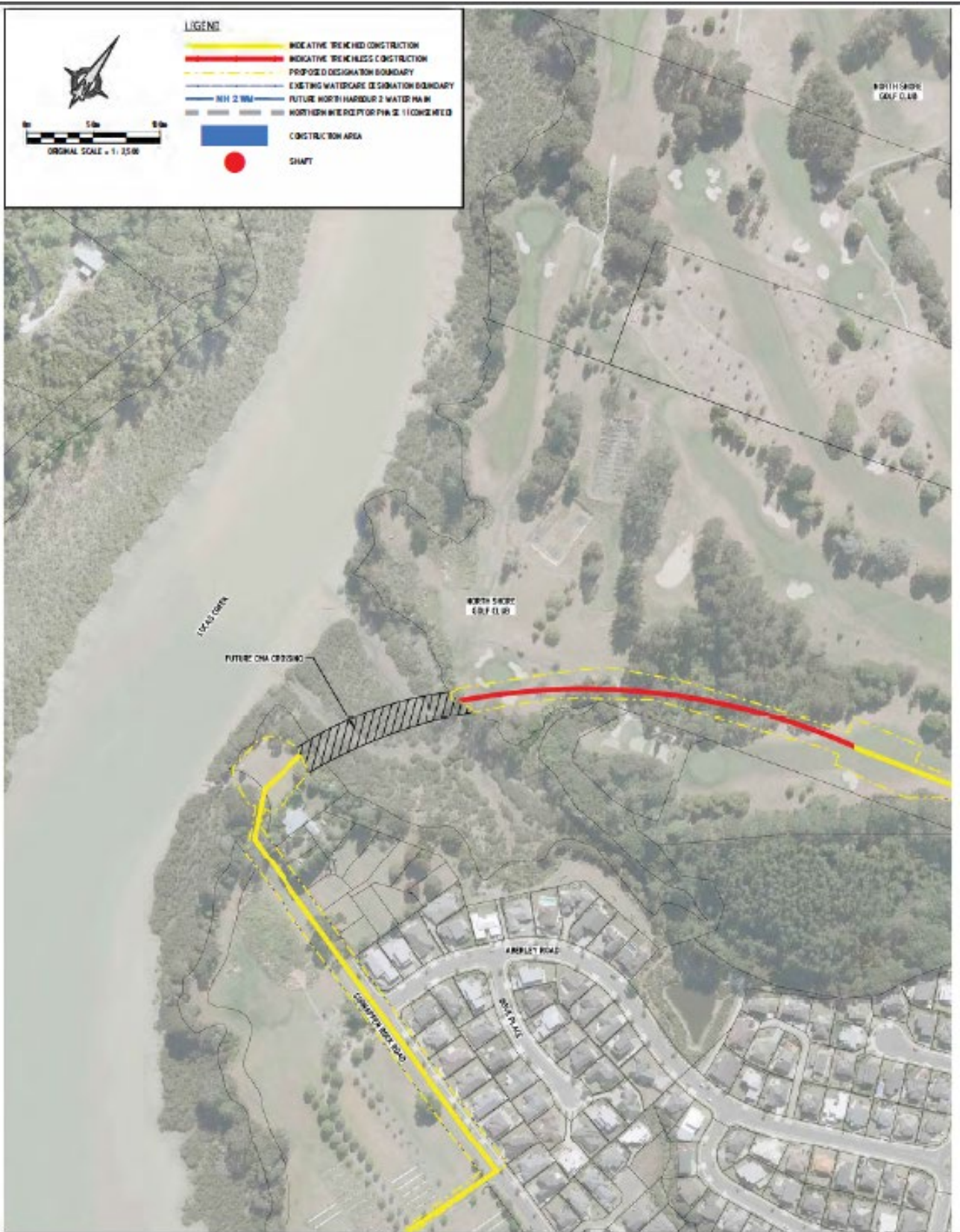
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 <p>Watercare</p> <p>Watercare is the largest water and wastewater utility in New Zealand. We are committed to providing high quality water and wastewater services to our customers.</p>	 <p>MWH</p>	<p>Northern Interceptor Concept Design NoR-NI (North Shore) Designation Plan : Sheet 4 Of 10</p>
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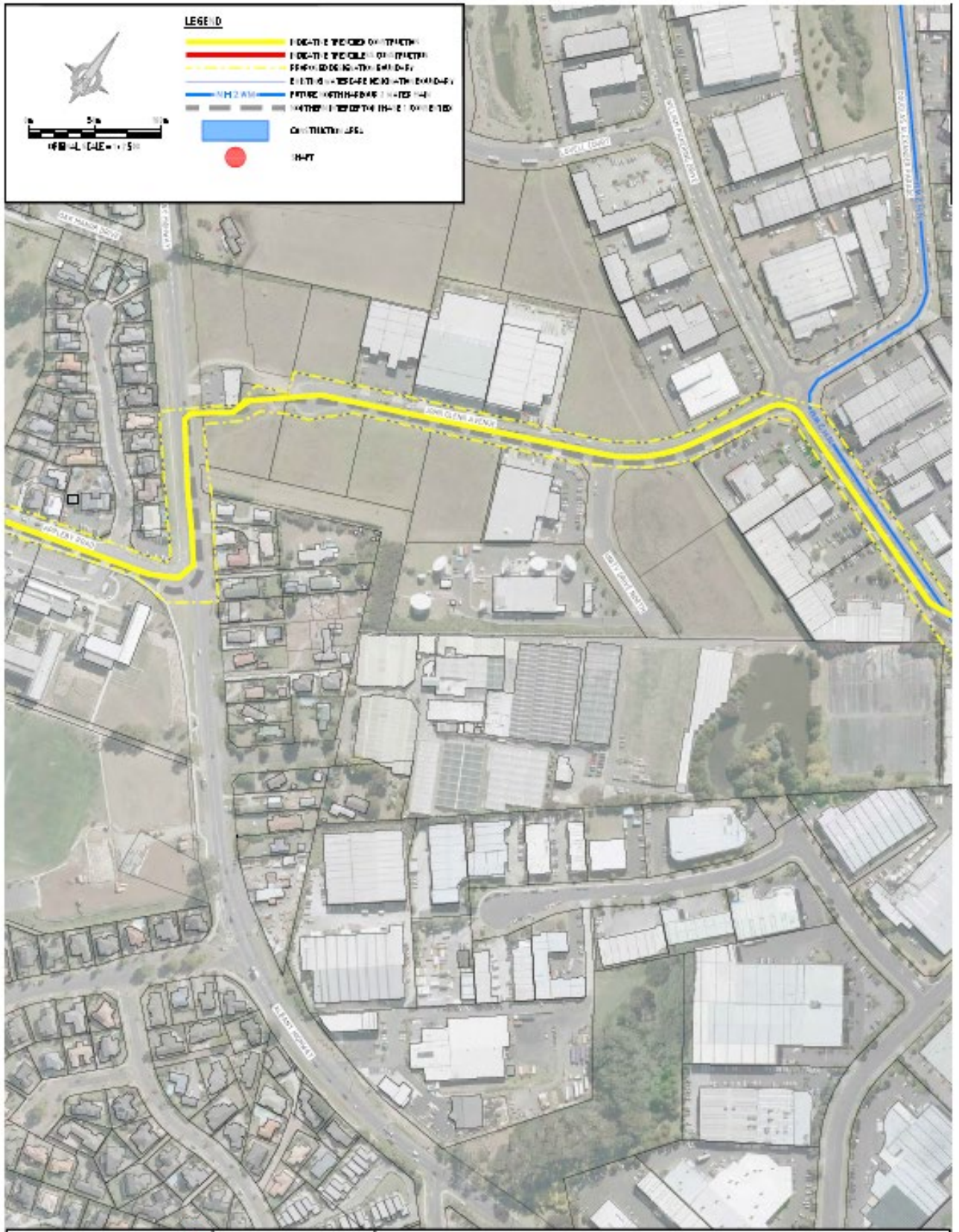






 <p><small>COPYRIGHT - This drawing, the design concept, remains the exclusive property of Watercare Services Limited and may not be used without approval. Copyright reserved.</small></p>		<p>Northern Interceptor Concept Design NoR-NI (North Shore) Designation Plan : Sheet 6 Of 10</p>
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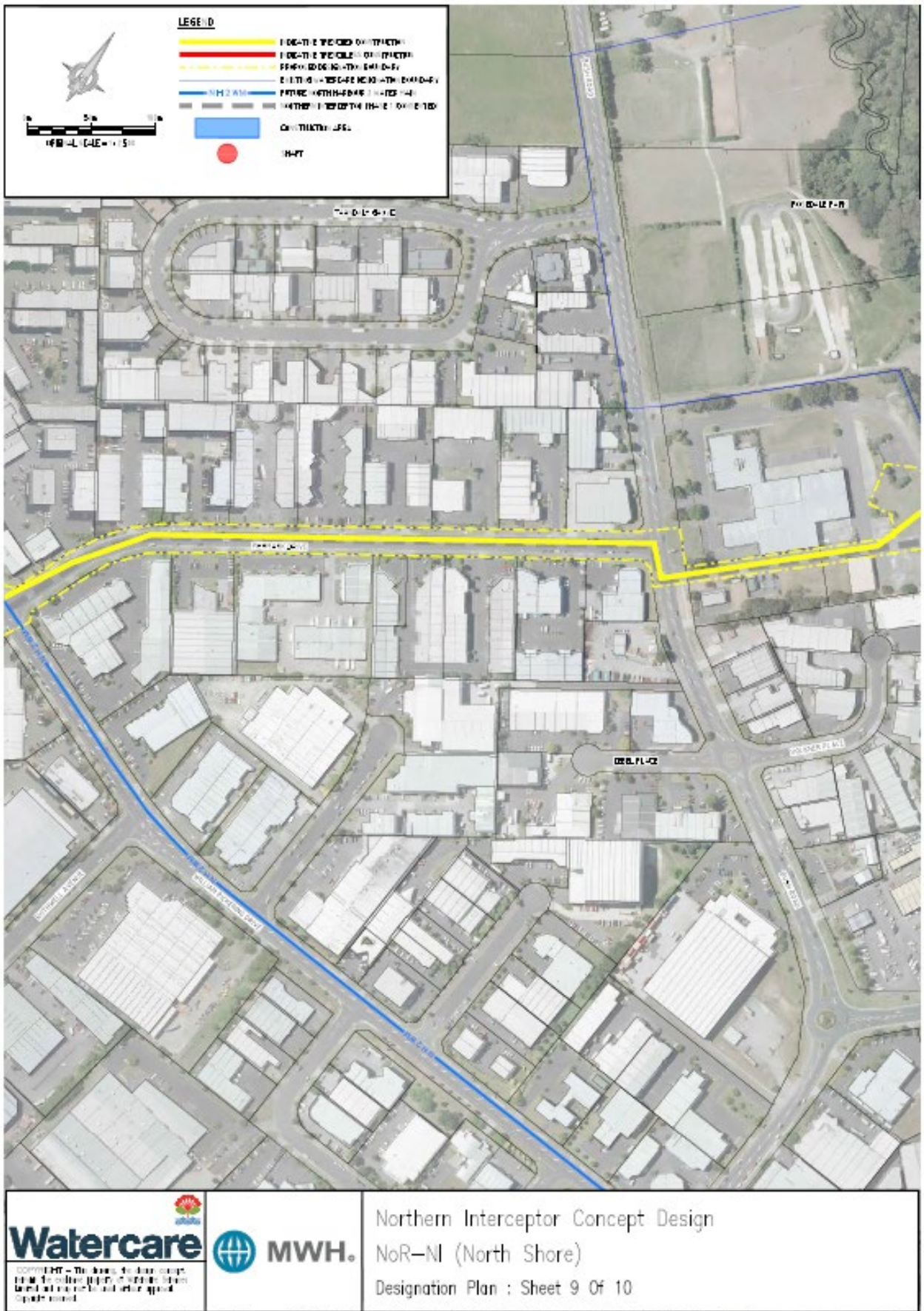
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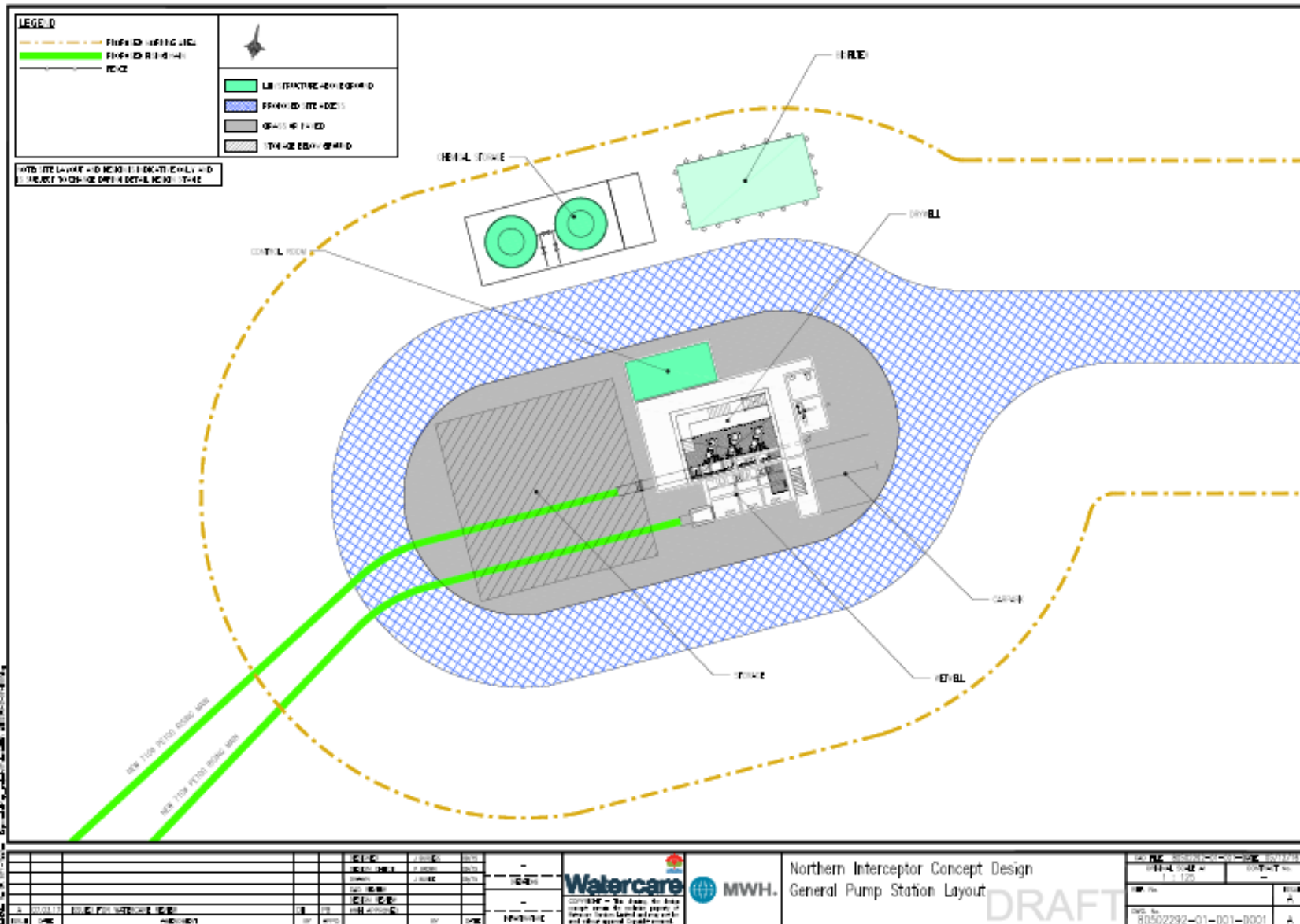
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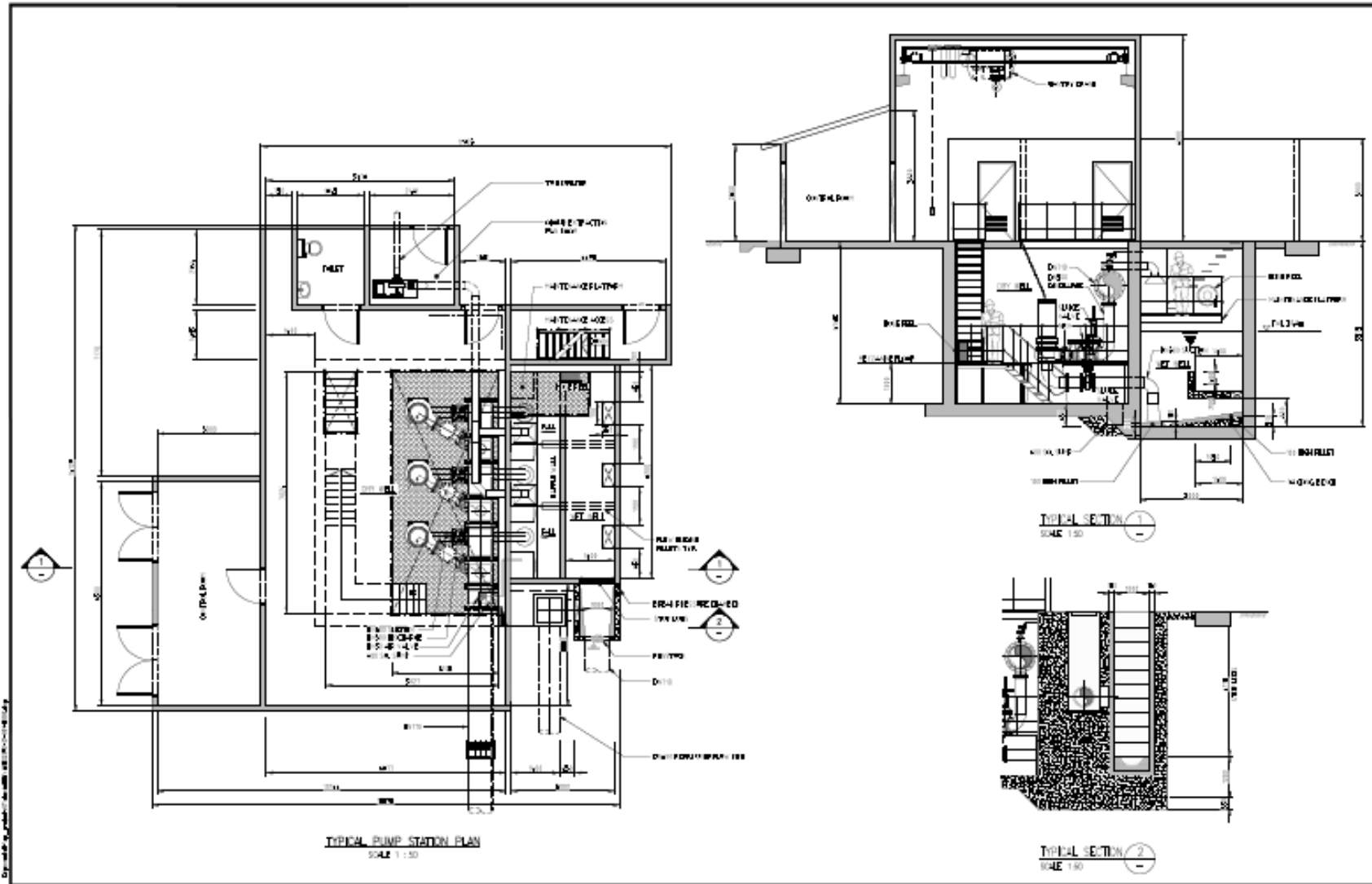
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 <p>Watercare</p> <p>Commitment - We deliver the cleanest water, the healthiest environment, and the most innovative solutions for our customers.</p>	 <p>MWH</p>	<p>Northern Interceptor Concept Design NoR-NI (North Shore) Designation Plan : Sheet 10 Of 10</p> <p>Plot Date: Jun 11, 2016 - 10:59pm (c:\pwworking\proj\proj\01\dm\5561\201110\005_010 & 201110_005_011 - Phase 1 & 2 Plans & Long Section.dwg)</p>
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**Attachment C: 9465 Kohimarama
Wastewater Storage Tank**

9465 Kohimarama Wastewater Storage Tank

Designation Number	9465
Requiring Authority	Watercare Services Ltd
Location	6 Baddeley Avenue, Kohimarama. Madills Farm Recreation Reserve (in part).
Rollover Designation	Yes
Legacy Reference	Designation C14-11, Auckland Council District Plan (Auckland City Council Isthmus Section 1999)
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Kohimarama Wastewater Storage Tank.

Conditions

General Conditions

1. Except as modified by the following conditions, the works shall be undertaken in general accordance with the information provided by the Requiring Authority in the Notice of Requirement dated July 2013 and supporting report and supplementary information provided as further information. This information is summarised as follows:

a. "Assessment of Effects on the Environment – Kohimarama Wastewater Storage Tank and Branch Sewer Upgrade", dated July 2013.

b. The drawings referenced as:

Plan Title	Reference / DWG No.	Architect / Author	Revision/ Issue
Kohimarama Branch Diversion Sewer Working Area – Overall Site Layout	2010146.002	Watercare	E
Kohimarama Branch Diversion Sewer Working Areas – Enlargement Sheet 1 of 2	2010146.003	Watercare	E
Kohimarama Branch Diversion Sewer Working Areas – Enlargement Sheet 2 of 2	2010146.004	Watercare	E
Kohimarama Branch Diversion Sewer Diversion Sewer Pipeline – Sheet Layout	2010146.007	Watercare	D
Kohimarama Branch Diversion Sewer - Southern Cross Road Pipeline Plan and Long Section	2010146.008	Watercare	D
Kohimarama Branch Diversion Sewer – Allum Street Pipeline Plan and Long Section	2010146.009	Watercare	D

Kohimarama Branch Diversion Sewer – Madills Farm Reserve Pipeline Plan and Long Section	2010146.010	Watercare	D
Kohimarama Branch Diversion Sewer – Sage Road Pipeline Plan and Long Section	2010146.011	Watercare	D
Kohimarama Branch Diversion Sewer – Outfall Overflow Pipeline Plan and Long Section	2010146.012	Watercare	D
Kohimarama Branch Diversion Sewer – Building Connection Pipeline Plan and Long Section	2010146.015	Watercare	D
Kohimarama Branch Diversion Sewer – Sanitary Sewer Overflow Chamber General Arrangement Sheet 1 of 2	2010146.016	Watercare	D
Kohimarama Branch Diversion Sewer – Sanitary Sewer Overflow Chamber General Arrangement Sheet 2 of 2	2010146.017	Watercare	D
Kohimarama Branch Diversion Sewer – Outfall General Arrangement	2010146.018	Watercare	E
Kohimarama Branch Diversion Sewer – Speed Table Site Plan	2010146.021	Watercare	B
Kohimarama Branch Diversion Sewer – Working Area Proposed Erosion and Sediment Control Plan	Z1962100-01-001-G010	Watercare	A

c. Further information (as it relates to the Notice of Requirement only)

i. Letter dated 16 August 2013 from Jess Urquhart, Watercare.

ii. Email dated 8 August 2013 from Jess Urquhart, Watercare.

iii. Email dated 23 August 2013 from Jess Urquhart, Watercare – including Additional Noise Assessment titled “Madills Farm Reserve – Alternative Piling Methods” from Marshall Day Acoustics dated 23 August 2013.

iv. Email dated 2 September 2013 from Jess Urquhart, Watercare – Kohimarama Open Day Minutes dated 21 August 2013

v. Email dated 3 September 2013 from Jess Urquhart, Watercare – Further earthworks information.

2. The Requiring Authority shall be exempt from providing an Outline Plan of Works for the project shown on the information referred to in condition 1, as provided for in section 176A (2)(a) and (b) of the Resource Management Act 1991 (“the Act”).

Construction Management Plan

3. Prior to works commencing on the site, the Requiring Authority shall provide the Council with a copy of a finalised Construction Management Plan (“CMP”). The CMP shall address, but is not limited to, the following items:

- i. Finalised Erosion and Sediment Control Plan
- ii. Finalised Construction Traffic Management Plan
- iii. Construction Noise and Vibration Management Plan
- iv. Dust Management measures
- v. Health and Safety measures including any fences and security around the site compound
- vi. Management of stormwater runoff from the site
- vii. The location of temporary activities (including buildings) and storage of equipment
- viii. Management of existing network utilities

The CMP shall be prepared to the satisfaction of the Auckland Council Team Leader Compliance and Monitoring - Central in consultation with the Natural Resources and Specialist Input Unit (“NRSI”), Earthworks.

Construction Noise

4. A Construction Noise and Vibration Management Plan (“CNVMP”) shall be prepared for the works by an appropriately qualified person. The CNVMP shall be submitted to the Council for approval prior to commencement of works on the site. The CNVMP shall be prepared in accordance with the requirements of the report entitled Watercare Madills Farm Reserve Assessment of Noise & Vibration Effects (Rp 001 2013131A) by Marshall Day Acoustics 8th July 2013. The approved CNVMP shall be implemented and maintained throughout the entire construction period. The CNVMP shall be updated when necessary and any update to the CNVMP shall be submitted to the Council for prior approval.

5. Construction noise shall be measured and assessed in accordance with the New Zealand Standard NZS6803:1999 Acoustics – Construction Noise, and shall comply with the following noise limits:

Time and Day	Noise Limits	
	LAeq dB	LAmx
Monday to Friday 0700 - 0730	55	75
Monday to Saturday 0730 - 1800	70	85
At all Other Times and Public Holidays	45	75

6. Construction works which exceed a level of LAeq 45dB at the most exposed receiver(s) are restricted to between 0730 to 1800 on weekdays and Saturdays, with no noisy works permitted on Sundays or public holidays. The CNVMP shall define which activities will comply with a limit of LAeq 45dB and can therefore be undertaken outside of these hours.

7. The CNVMP shall, as a minimum, address the following aspects with regard to construction noise:

- a. A description of noise sources, including machinery, equipment and construction techniques to be used;
- b. Predicted construction noise levels;
- c. Hours of operation, including times and days when noisy construction work would occur;

- d. Physical noise mitigation measures, including restricted use of tonal reverse alarms, maintenance of access roads (to ensure they are smooth), acoustic screening around the site, plant selection and maintenance procedures, and site layout;
 - e. Identification of activities and locations that will require the design of specific noise mitigation measures, specifically including piling methods;
 - f. Methods for monitoring and reporting on construction noise;
 - g. Methods for receiving and responding to complaints about construction noise;
 - h. Construction operator training procedures;
 - i. Management of the early arrival of trucks (prior to 07:30) to the site to ensure that parking and waiting outside the site proximate to residential receivers is avoided as far as practicable.
8. The CNVMP shall also describe measures to be adopted to meet the requirements of the vibration standard DIN4150-3:1999, and as a minimum shall address the following aspects with regard to construction vibration:
- a. Vibration sources, including machinery, equipment and construction techniques to be used;
 - b. Methods for monitoring and reporting on construction vibration, including specification of continuous monitoring for receivers and activities where the levels in the German Standard DIN4150-3: 1999 are likely to be approached or exceeded;
 - c. Methods for receiving and responding to complaints about construction vibration.
9. The vibration limits in DIN 4150-3:1999 must be complied with for all construction activities at all buildings and infrastructure not owned by the Requiring Authority.

Traffic Management

10. A Construction Traffic Management Plan (“CTMP”) is submitted to and approved by the Council prior to any physical work commencing on the site. This is to include the route from which vehicles are expected to approach the site and contain measures indicating how and when deliveries will be controlled to ensure that two trucks are not using the same access at the same time. It is also to include the maximum number of staff and vehicles on the site at each stage of the project and show enough on-site parking spaces to accommodate that number of vehicles.
11. Heavy vehicle deliveries to the site are prohibited at peak school drop-off and pickup times, between 8:30 and 9:00 and between 14:45 and 15:30.
12. All parking associated with the construction work must occur on the site and no use of on-street parking is permitted by contractors or workers.

Construction Hours

13. All construction work, including demolition and any noisy activities in the vicinity of the site associated with the proposed works, shall be carried out generally between the hours of 07:00a.m and 18:00p.m Mondays to Saturdays. No such work may be carried out on Sundays or public holidays. The type of construction work carried out between the hours of 7:00am and 7:30am is restricted by the lower noise limit specified in condition 5.

Operational Noise

14. The noise arising from any operational activities undertaken on the designated land shall generally not exceed the following noise limits when measured at or within the boundary of any site zoned Residential as follows:

Time period	Noise Limits
0700 - 2200 hours	50 dB LAeq
2200 - 0700 hours	40 dB LAeq
	75 dB LAeq

Archaeology and Heritage

15. If any archaeological site or items, including human remains (koiwi), are exposed during the works then the following procedures shall apply:

- a. Immediately after it becomes apparent that an archaeological or traditional site has been exposed, all site works in the immediate vicinity shall cease;
- b. The Requiring Authority shall immediately secure the area so that any artefacts and/or remains are untouched; and
- c. The Requiring Authority shall notify the New Zealand Historic Places Trust, tangata whenua and the Auckland Council (and in the case of human remains, the New Zealand Police) as soon as practicable that an archaeological site has been exposed so that appropriate action can be taken. Works shall not recommence in the immediate vicinity of the archaeological site until any approval required from the New Zealand Historic Places Trust has been obtained.

Site Reinstatement

16. When contractors' yards or other temporary works areas are no longer required for any construction or operational purpose on the site, site offices, storage and equipment sheds, fencing and hard stand areas (associated with the project) shall be removed and the area reinstated to at least the standard which existed prior to commencement of the works.

Lapse of designation

17. The designation shall lapse on the expiry of a period of 5 years after the date it is included in the District Plan in accordance with section 184(1)(c) of the Act unless:

- a. it is given effect to before the end of that period; or
- b. the Council determines, on an application made within 3 months before the expiry of that period, that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made, and fixes a longer period for the purposes of the sub-section.

Alteration of designation boundary post-construction

18. Within 20 working days following issue of the practical completion certificate for the proposed storage tank, the Requiring Authority shall give notice to the Council in accordance with section 182 of the Act for removal of those areas of the designation no longer necessary for the construction, on-

going operation, maintenance, and protection of the storage tank. The revised designation boundary shall be consistent with the area shown on the drawing titled "Designation Plan – Post Construction of the Storage Tank" submitted as part of the further information dated 8 August 2013.

Removal of designation C14-03

19. Within 20 working days following issue of practical completion certificate for the proposed storage tank, the Requiring Authority shall give notice to the Council in accordance with section 182 of the Act for removal of designation "C14 03" in the Operative District Plan and designation 9414 in the Proposed Auckland Unitary Plan.

Future works

20. Any future works not shown on the drawings referred to in condition 1 shall require an Outline Plan of Works unless the territorial authority waives the requirement for an Outline Plan of Works as provided for by section 176(2)(c) of the Act.

21. In addition to the information required to be provided by section 176A(3) of the Act, the following shall also be submitted as part of the Outline Plan of Works required by condition 19:

a. Details of consultation with the Manager of Local and Sports Parks – Central, Auckland Council, regarding the location and design of future above-ground infrastructure and the integration of this with the Madills Farm Masterplan dated 5 November 2012;

b. A landscape management plan to establish any above-ground permanent buildings. The landscape management plan shall take account of:

i. the layout, architectural form and detail, and the use of a consistent and appropriate palette of materials to ensure these elements are visually recessive;

ii. the use of materials which are sufficiently robust and which minimise the potential for graffiti and vandalism;

iii. landscaping to integrate the building with the surrounding environment.

Implementation and maintenance of the approved landscaping shall be the responsibility of the Requiring Authority.

22. If Auckland Council seeks approval under section 176(l)(b) of the Resource Management Act to undertake works as described in the Madills Farm Masterplan (5 November 2012) the Requiring Authority shall not unreasonably withhold approval provided that the park development does not interfere with the construction operation or maintenance of waste water infrastructure and meets all health and safety requirements.

Advice Notes

1. Conditions 1 - 18 need to be read in conjunction with the conditions for resource consents R/REG/2013/2593, R/LUC/2013/2567 and R/REG/2013/4015 for the construction of a 3500m³ wastewater storage tank and associated reticulation.

2. This designation does affect the Requiring Authority's obligations to obtain all other necessary regional consents and permits, including those which may be required under the Building Act 2004, and to comply with all relevant Council bylaws.

3. Unless the land the subject of this designation is acquired under the Public Works Act, landowner approval to carry out work on the land may be required and the works may be subject to any terms or conditions imposed by the landowner.

Attachments

No attachments.

Attachment D: Watercare North West Schedule

Designation Schedule - Watercare Services Ltd (1/3)

North and West

Number	Purpose	Location
9300	Water supply purposes - pump station, reservoir and associated structures	2A Sunset Road, Unsworth Heights
9301	Water supply purposes - pump station, future reservoirs and associated structures	Section 1 Survey Office Plan 555200, 53 Schnapper Rock Road, Albany
9302	Water supply purposes - reservoir, pump station and associated structures	106 Pupuke Road, Hilcrest
9303	Water supply Purposes - pump station and associated structures	39 Killarney Street and part of adjoining road reserve, Takapuna
9304	Water Supply purposes - reservoirs and associated structures	83 and 89 Waipa Street, Birkenhead
9305	Water supply purposes - reservoir and associated structures	395 Upper Harbour Drive, Greenhithe
9306	Water supply purposes - reservoir and associated structures	192 Browns Bay Road, Murrays Bay
9307	Water supply purposes - reservoir and associated structures	179 Kowhai Road, Mairangi Bay
9308	Water supply purposes - reservoir, pump station and associated structures	253 Forrest Hill Road, Forrest Hill
9309	Water supply purposes - existing and proposed reservoirs and associated structures	69 Corinthian Drive, Albany
9310	Wastewater purposes - wastewater treatment plant odour buffer area	Rosedale Park, and reserves, roads and motorway in the vicinity of the wastewater treatment plant
9311	Wastewater purposes - wastewater treatment plant and underground route of outfall to Mairangi Bay	Rosedale Road and Upper Harbour Highway, Albany, then via various properties and roads to Mairangi Bay
9312	Water supply purposes - pump station and associated structures	22B Easter Parade, Glen Eden
9313	Water supply purposes - pump station and associated structures	161C Colwill Road, Massey
9314	Water supply purposes - pump station and associated structures	47A Phillip Avenue, Glen Eden
9315	Water supply purposes - reservoir and associated structures	126 McEntee Road, Waitakere
9316	Water supply purposes - reservoir and associated structures	270 Don Buck Road, Massey
9317	Water supply purposes - reservoir and associated structures	893 and 895 Scenic Drive North, Swanson
9318	Water supply purposes - reservoir and associated structures	272A Scenic Drive, Titirangi
9319	Water supply purposes - reservoir and associated structures	19 Bush Road, Waiatarua
9320	Water supply purposes - reservoir and associated structures	1076A Huia Road, Huia
9321	Water supply purposes - water catchment	Waitakere Ranges

	headworks areas	
9322	Water supply purposes - headworks services land	Waitakere Ranges
9323	Water supply purposes - water treatment plant and associated structures	105-121 Christian Road, Swanson and 21 Long Road, Bethells
9324	Water supply purposes - water treatment plants and associated structures	Woodlands Park Road, Manuka Road and Exhibition Drive, Titirangi
9325	Water supply purposes - reservoir and associated structures	88 Sunhill Road, Glen Eden
9326	Water supply purposes - reservoir and associated structures	166-176 Konini Road, Titirangi
9327	Wastewater purposes - storage tanks and associated structures	56 The Concourse, Henderson
9328	Water supply purposes - pump station and associated structures	143 Flanshaw Road, Te Atatu
9329	Water supply purposes - pump station and associated structures	Road Reserve on Pleasant Road / Titirangi Road Corner
9330	Water supply purposes - pump station and associated structures	Totara Road Esplanade Reserve, 9 Kelvin Crescent, Te Atatu Peninsula
9331	Water supply purposes - water treatment plant and associated structures	415A Te Atatu Road, Te Atatu
9332	Water supply purposes - water treatment plant and associated structures	Wood Bay Beach Reserve in the vicinity of 81 Wood Bay Road, Titirangi
9333	Water supply purposes - pump station and associated structures	Road Reserve, adjoining 172A Laingholm Drive, Laingholm
9334	Water supply purposes - pump station and associated structures	97B Fred Taylor Drive, Whenuapai
9335	Water supply purposes - water treatment plant	362 Wayby Valley Road, Wellsford
9336	Water supply purposes - reservoir and associated structures	Worthington Road (Lot 1 DP 57349), Wellsford
9337	Wastewater purposes - wastewater treatment plant	Between State Highway 1 and Rustbrook Road (Lot 3 DP 64870), Wellsford
9338	[Deleted]	[Deleted]
9340	Wastewater purposes - wastewater treatment plant	64 Jones Road, Omaha Flats
9341	Water supply purposes - reservoir and associated structures	20 View Road, Warkworth
9342	Wastewater purposes - wastewater treatment plant	6 Brown Road, Warkworth
9343	Wastewater purposes - wastewater treatment plant	55 Alnwick Street and Part Allot 68, SO 64916 Warkworth
9344	Water supply purposes - reservoir and associated structures	James Street, Snells Beach, and adjoining properties (Lots 1 and 2 DP 205704)
9345	Water supply purposes - reservoir and associated structures	32 Tudor Collins Drive, Warkworth
9346	Wastewater purposes - wastewater treatment plant	114 and 118 Hamilton Road, Warkworth
9347	Wastewater purposes - wastewater treatment	Te Whau Creek, Hamilton Road (east of 287 and 309

	plant	Hamilton Road), Snells Beach
9348	Wastewater purposes - wastewater treatment plant	Weranui Road, in the vicinity of 135 Weranui Road, Waiwera
9349	Water supply purposes - reservoir and associated structures	1002 Hibiscus Coast Highway, Waiwera
9350	Water supply purposes - reservoir and associated structures	138 West Hoe Heights, Orewa
9352	Water supply purposes - reservoir and associated structures	105 Wainui Road
9353	Water supply purposes - reservoir and associated structures	231 Whangaparaoa Road, Whangaparaoa
9354	Water supply purposes - reservoir and associated structures	104A Wade River Road, Arkles Bay
9355	Water supply purposes - reservoir and associated structures	1170 Whangaparaoa Road, Tindalls Bay
9356	Wastewater purposes - wastewater treatment plant	Kaipara Coast Highway (Sec 50 SO 47244), Helensville
9357	Water supply purposes - dams	215 Mangakura, Kiwitahi and Wishart Roads, Helensville
9358	Water supply purposes - reservoir and associated structures	Wishart Road (Sec 62 BLK XIV Kaipara Surevey District), Helensville
9359	Wastewater purposes - wastewater treatment plant	18 Oraha Road, Huapai
9360	Water supply purposes - water treatment plant	148-162 Motutara Road, Muriwai
9361	Wastewater purposes - exclusion of dwellings in the area surrounding the wastewater treatment plant	Land surrounding the wastewater treatment ponds including 106 Rustybrook Road, 1496 State Highway 1, 133 Wayby Valley Road and Lot 2 DP 171826, Wellsford
9362	Wastewater purposes - wastewater treatment plant	1535 Whangaparaoa Road, Army Bay
9363	Wastewater purposes - exclusion of dwellings in the area surrounding the wastewater treatment plant	Land surrounding the wastewater treatment ponds, Te Whau Creek, Snells Beach (including 287 and 309 Hamilton Road and 120 Hamatana Road)
9364	Wastewater purposes - exclusion of dwellings in the area surrounding the wastewater treatment plant	Land surrounding the wastewater treatment ponds, (including 135 Weranui Road and 12, 45, 83 and 105 Jarvis Road), Waiwera
9366	Water supply purposes - reservoir and associated structures	190 West Hoe Heights, Orewa
9367	Water supply purposes - reservoir and associated Structures (including power supply and telemetry)	2 Lonely Track Road, Glenvar
9368	Water supply purposes - pump station and associated structures	East Coast Road (road reserve) south of Bawden Road, Redvale
9369	Water supply purposes - reservoir and associated structures	125 Scott Road, Wade Heads
9370	Wastewater purposes - pump station, constructed overflow and associated structures	228 Millwater Parkway, Silverdale
9371	Water supply purposes - pump station and associated structures	2-12 Lincoln Park Avenue, Massey

9372	Wastewater purposes	Section 1 and Section 2 SO 467484
9373	Water supply purposes	403 Old North Road, Huapai
9374	Water supply purposes	86 Hudson Road, Warkworth
9375	Wastewater purposes – Northern Interceptor wastewater pipelines, pumping stations, and associated infrastructure.	From 56 The Concourse, Henderson to 4 – 6 Hobsonville Road, West Harbour ; and from 15 The Knoll, Greenhithe to Rosedale Wastewater Treatment Plant
9376	Water supply purposes – pipelines and associated infrastructure	From 114 Scenic Drive, Titirangi to Albany Reservoir, Corinthian Drive, Albany
9377	Water supply and wastewater purposes – pipelines, pumping stations and associated infrastructure	From eastern end Fred Taylor Drive to western end Greenhithe Bridge causeway