

Rachael Clark

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Sent: Thursday, 27 January 2022 8:42 am
To: Katherine Dorofaeff (AT); Neil Stone (AT); Tim Carter (AT); Matthew Richards (AT); BDeVilliers (Byron); Charlie Schorr-Kon (FCC Infrastructure); Ka Hei Lau
Cc: Sarah MacCormick; Rachael Clark
Subject: Whenuapai Wastewater Scheme – package 1 works
Attachments: 2022 01 26 Meeting notes.docx

Kia ora koutou

Thank you very much for your time yesterday to discuss the Whenuapai Wastewater Scheme traffic impacts.

I've attached my notes from the meeting. There are a few actions for AT and Watercare here. Please let me know if you would like any points added to the notes, or if you have thought of any additional questions you would like answered.

Great working with you.

Kind regards

Keri Davis-Miller

Manager Networks Consenting
Strategy and Planning

Watercare Services Limited

Mobile: 022 100 4071

Customer service line: +64 9 442 2222

Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz

Whenuapai Wastewater Scheme – package 1 works

Meeting Notes and Actions

26 January 2022

In attendance

Auckland Transport

Katherine Dorofaeff

Neil Stone – AT planner

Tim Carter – traffic engineer

Matthew Richards - development planning

Involved from Auckland Transport but not in attendance Christina Robertson

For Watercare

Byron DeVilliers - Project Manager

Charlie Schorr-Kon - Construction Manager

Keri Davis-Miller - Planning Manager

Ka Hei Lau – Traffic

Meeting Notes and Actions

1. Discussion

- Purpose of meeting to provide overview of project and for Watercare to seek AT input.
- There are two access roads, existing, on Brigham Creek Road that will be utilised for the project.
- Left turn only access will be utilized into the northern Brigham Creek Road site.
- Left turn only access will be utilized for the larger site. Enlarging the existing accessway will be considered.
- The wastewater pipe installation crosses Brigham Creek Road. Watercare propose, (preferred) trenchless methodology but the ground is quite poor quality for pipeline installation.
- If open cut methodology is required for the pipe and power cable, the works will likely take up to five days and will require reducing the road to one lane during this time.
- The spoil will come out of Spedding Road via Trigg Road, but some on to Brigham Creek Road
- AT aware of accidents in this area, and would like to assess traffic reports and see a Draft TMP and info on truck sizes and frequency.
- AT would like to see draft conditions.
- Watercare would like to have agreement in principle with AT prior to serving NoR/lodging consents.

2. Actions

- **Watercare (KDM)** to provide draft TMP, and draft traffic impact assessment when available.
- **Watercare (KDM)** – to send through draft conditions
- **Watercare (Ka Hei / BECA)** – will include tracking and site lines, and will incorporate into the traffic impact assessment.
- **AT (TC)** will review draft traffic management plan and work to provide provisional approval.
- **AT (TC)** will forward information on to traffic controller team for comment.
- **AT (TC)** will also seek response to project proposals from maintenance team.

Provided prior to meeting.

In response to earlier questions:

Proposed Programme for Construction:

- Resource Consents and Notice of Requirement with Council March 2022
- Watercare to commence works January 2023
- Tamiro Road. May 23 – June 24 = 13 months, with contingency 15 months construction

Rachael Clark

From: Katherine Dorofaeff (AT) <Katherine.Dorofaeff@at.govt.nz>
Sent: Thursday, 12 May 2022 7:36 am
To: WHung (William); Tim Carter (AT); Matthew Richards (AT); BDeVilliers (Byron); Charlie Schorr-Kon (FCC Infrastructure); Ka Hei Lau; Neil Stone (AT)
Cc: Sarah MacCormick; Rachael Clark; Hedre Dednam (AT)
Subject: RE: Whenuapai Wastewater Scheme – package 1 works

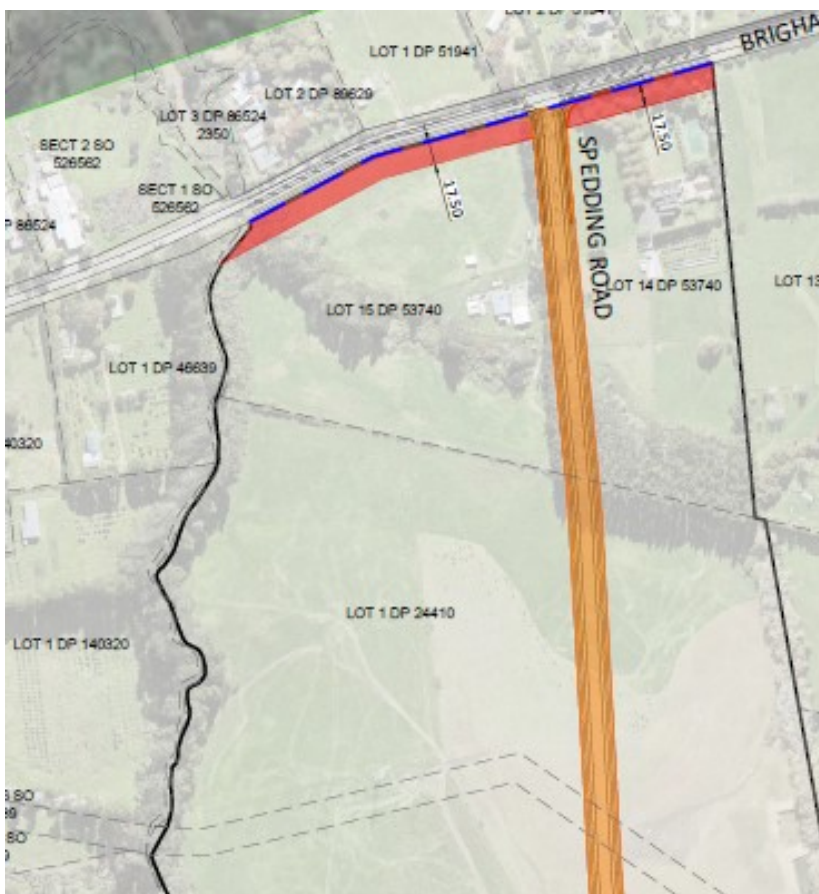
Some people who received this message don't often get email from katherine.dorofaeff@at.govt.nz. [Learn why this is important](#)

Hi William

This email is to acknowledge receipt of this draft Traffic Impact Assessment which AT is currently reviewing for comment. Thank you for providing this draft for review.

Hedre Dednam is now your contact in the AT Development Planning rather than Matthew Richards. You can also remove Neil Stone from the circulation list as he has moved to a different position within AT.

I note that the proposed alignment of Spedding Road within the Oyster Capital site, as proposed in Private Plan Change 69 is now looking like the diagram below.



Regards

Katherine Dorofaeff | Principal Planner
Land Use Policy & Planning North/West | Planning and Investment Group
Level 3, 20 Viaduct Harbour Avenue, Auckland 1010



Let's go th

From: WHung (William) <William.Hung@water.co.nz>

Sent: Friday, 6 May 2022 12:45 p.m.

To: Tim Carter (AT) <Tim.Carter@at.govt.nz>; Matthew Richards (AT) <Matthew.Richards@at.govt.nz>; BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Ka Hei Lau <kahei.lau@beca.com>; Katherine Dorofaeff (AT) <Katherine.Dorofaeff@at.govt.nz>; Neil Stone (AT) <Neil.Stone@at.govt.nz>

Cc: Sarah MacCormick <Sarah.MacCormick@beca.com>; Rachael Clark <Rachael.Clark@beca.com>

Subject: RE: Whenuapai Wastewater Scheme – package 1 works

Tēnā koutou,

Following the meeting in January discussing traffic impacts on the Whenuapai Wastewater Scheme, please find attached a draft traffic impact assessment for comments.

I am the new Watercare consenting lead on this project going forward. Please feel free to contact me if you have any questions or require additional information.

I look forward to receive feedback on the TIA as we progress to complete the resource consent and NoR applications for lodgement by the end of this month.

Ngā mihi
William

William Hung

Senior Resource Consents Planner
Strategy and Planning

Watercare Services Limited

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Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>

Sent: Thursday, 27 January 2022 8:42 am

To: Katherine Dorofaeff (AT) <Katherine.Dorofaeff@at.govt.nz>; Neil Stone (AT) <Neil.Stone@at.govt.nz>; Tim Carter (AT) <Tim.Carter@at.govt.nz>; Matthew Richards (AT) <Matthew.Richards@at.govt.nz>; BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Ka Hei Lau <kahei.lau@beca.com>

Cc: Sarah MacCormick <Sarah.MacCormick@beca.com>; Rachael Clark <Rachael.Clark@beca.com>

Subject: Whenuapai Wastewater Scheme – package 1 works

Kia ora koutou

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I've attached my notes from the meeting. There are a few actions for AT and Watercare here. Please let me know if you would like any points added to the notes, or if you have thought of any additional questions you would like answered.

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Keri Davis-Miller

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Rachael Clark

From: Simon Wang <Simon.Wang@ghd.com>
Sent: Wednesday, 14 September 2022 3:25 pm
To: Sarah MacCormick; Rachael Clark
Subject: FW: For info- Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

No reply from Tony Cain, but I can ask if required.

From: Simon Wang
Sent: Tuesday, 8 March 2022 12:18 pm
To: Sarah MacCormick <Sarah.MacCormick@beca.com>; Rachael Clark <Rachael.Clark@beca.com>
Subject: FW: For info- Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

For your information and inclusion.

From: Simon Wang
Sent: Thursday, March 3, 2022 2:52 PM
To: BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>; Tony Cain <tony.cain@aucklandcouncil.govt.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Mike Harker (FCC Infrastructure) <mikehar@fcc.co.nz>; Philip Houghton <Philip.Houghton@ghd.com>; danny.curtis@aucklandcouncil.govt.nz; Frances.Ting@aucklandcouncil.govt.nz
Subject: RE: For info- Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

Hi everyone,

Thank you for your time on the call earlier today. Brief minutes as below – please let me know if any amendments are required.

1:30pm-2:00pm

TEAMS call

Attendees as per email distribution list

1. Simon briefly introduced the background of the pipeline design and presented design drawings
 - a. Checked Tamiro Pond asbuilts
 - b. Conducted geotechnical hand auger investigations
 - c. Alignment refinements, shifting the alignment west to avoid vegetation and embankment
 - d. Alternative route would result in deeper pipes, more manholes, and potentially deeper pump station at significant cost
2. Mike explained the proposed construction methodology
 - a. Pilot bore method (as opposed to horizontal directional drill), therefore no drilling fluids and no risk of frac-out
 - b. Would prefer to see length of bore reduced to 80m or less
 - c. Alignment and depth is deeper than pond embankment, so embankment fill quality risk is minimal
 - d. Raised a concern around geotechnical material now alignment is closer to the stream
3. Tony explained the risks Healthy Waters would like to see minimised
 - a. Major risk is if target or bore head is lost, the retrieval excavation would pose a risk to the embankment
 - b. Potential for poor trench fill material under existing stormwater outlet pipework
 - c. Conditions to include
 - i. Pre and post CCTV of stormwater outlet to identify any damage
 - ii. ACHW Operations to be invited to attend pre-constructing meeting to manage risk

Thanks,

From: Tony Cain <tony.cain@aucklandcouncil.govt.nz>

Sent: Friday, 25 February 2022 1:57 pm

To: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>; Frank Tian <Frank.Tian@aucklandcouncil.govt.nz>; Danny Curtis <danny.curtis@aucklandcouncil.govt.nz>

Subject: RE: For your response - Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

CAUTION:External Email!

Hi Keri – Apologies for not getting to this yesterday as we discussed on Wednesday, I got side-tracked onto other things.

From the drawings you sent in your email below there doesn't seem to be much change in the alignment I have seen previously.

Whilst I can see that an adjustment to the designation has been made there does not seem to have been any changes to the actual pipe alignment which is still shown crossing through the area taken up by the embankment to the pond.

I've used GIS to sketch on a plan what my thoughts are on a more appropriate alignment, from a HW perspective and I've included this on the screenshot below.

The alternative route for the pipework is shown in yellow (the purple is the current alignment based on the drawings you sent to me on Wednesday)

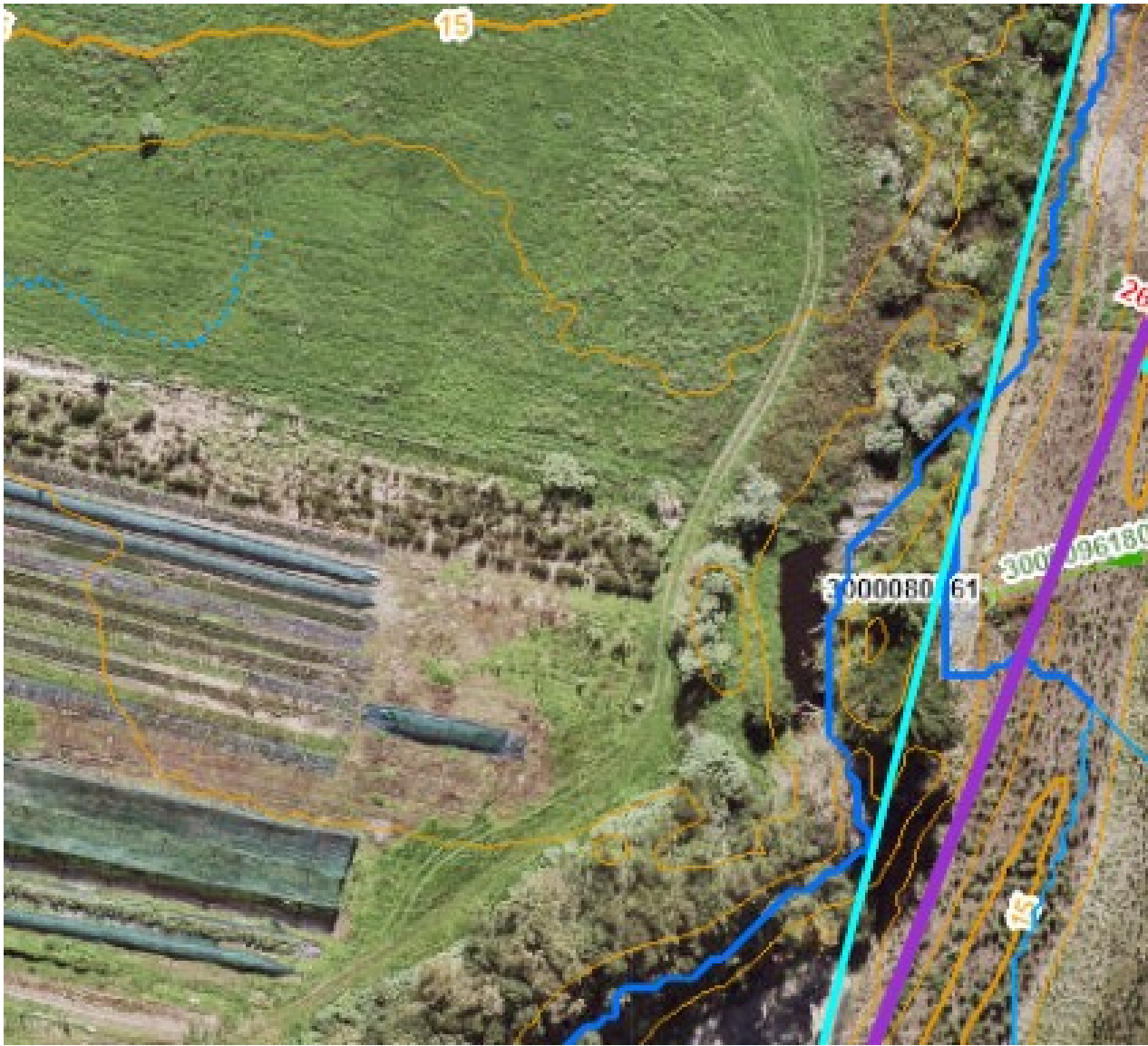
I appreciate the yellow alignment would add approximately 48m and 2 manholes and there may:

- be an issue with maintaining self-cleansing velocities in the Wastewater pipe;
- be a possible clash with the 1350 diameter pond inlet;
- be additional construction costs.

However, the alignment in yellow would reduce both the construction and operation risk to the pond as follows:

- a. Construction access for the pipe is easier - being on relatively flat / gently sloping ground rather than on the slope between the creek and the pond.
- b. Risk of frack out / spill to the watercourse would be reduced for trenchless construction.
- c. Risk to the stability and integrity of the toe of the embankment to the west of the pond is removed both during and post-construction.

In addition, access for any maintenance / pipe replacements on the newly constructed wastewater pipe would be from the public road and not on a slope between the pond and the watercourse which would also reduce any environmental risk to both the pond and the watercourse during these works.



As the proposal stands, I cannot support the construction of a pipeline through or within the embankment of the pond.

Kind Regards

Be Strong, Be Kind, Be Positive

Tony Cain | Lifecycle Management North Team Manager (Acting)

Healthy Waters | Infrastructure and Environmental Services

Ph +64 9 427 3293 | ext: 443293 | Mobile +64 21 194 9426 | Fax 09 301 0100

Auckland Council, Ground Floor, Tasman Building, 50 Centreway Road, OREWA

Visit our website: www.aucklandcouncil.govt.nz

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>

Sent: Wednesday, 23 February 2022 10:12 AM

To: Tony Cain <tony.cain@aucklandcouncil.govt.nz>

Subject: For your response - Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

Kia ora Tony

Thank you for your time on the phone just now. I thought it might be worth forwarding the last communication that was sent to Frank, and yourself about the project. I called Frank after this and he said it would be best to wait for you.

Briefly, at the start of the project HW asked that the alignment be moved, and the images below illustrate how the manhole and then pipe alignment have been altered as requested. The designation footprint (shown with the shading) is wider than the pipe just to enable access during construction. After construction the designation boundary will be drawn back. Construction is by direct drill – not open cut – so any disturbance to the bank is minimised.

We are finalising the plans for our consent application for the works imminently. I hope you are in a position to say that the new alignment is appropriate, in addition there will be ongoing communication and engagement with Healthy Waters during the process.

Thank you for your time Tony. I appreciate how busy you are and hope you get a chance to look at this either today or tomorrow.

Kind regards

Keri Davis-Miller

Manager Networks Consenting
Strategy and Planning

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Website: www.watercare.co.nz

From: KDavisMiller (Keri)

Sent: Wednesday, 9 February 2022 1:03 pm

To: Frances Ting <Frances.Ting@aucklandcouncil.govt.nz>

Cc: Frances Ting <Frances.Ting@aucklandcouncil.govt.nz>; Tony Cain <tony.cain@aucklandcouncil.govt.nz>; Danny Curtis <danny.curtis@aucklandcouncil.govt.nz>

Subject: For your response - Whenuapai Wastewater Scheme – Tamiro Road (documents attached)

Kia ora Frank (I copy Frances is as she has been involved with the Parks and Property matters of the site)

Thank you for your time just now. I hope you are up and mobile again asap and we can speak then.

I am hoping that you can provide this response for me. Watercare have been working with Healthy Waters to agree the proposed alignment for a new wastewater pipe. Danny Curtis has attended a few meetings but defers to the Operational arm of HW to provide confirmation on the proposal. Tony Cain has been provided information and was involved early in the conversation but has not been able to attend meetings.

We will continue to work with HW during construction but prior to the works commencing we need to seek a resource consent. For the resource consent the Council processing officers will want to have confirmation that Healthy Waters are aware of the project, and do not have any concerns.

Please let me know if there is any further information that you require. But in the mean time please find below two images that outline the original design and changes that have been undertaken. Also attached are further documents about the project.

Kind regards

Keri Davis-Miller

Manager Networks Consenting
Strategy and Planning

Watercare Services Limited

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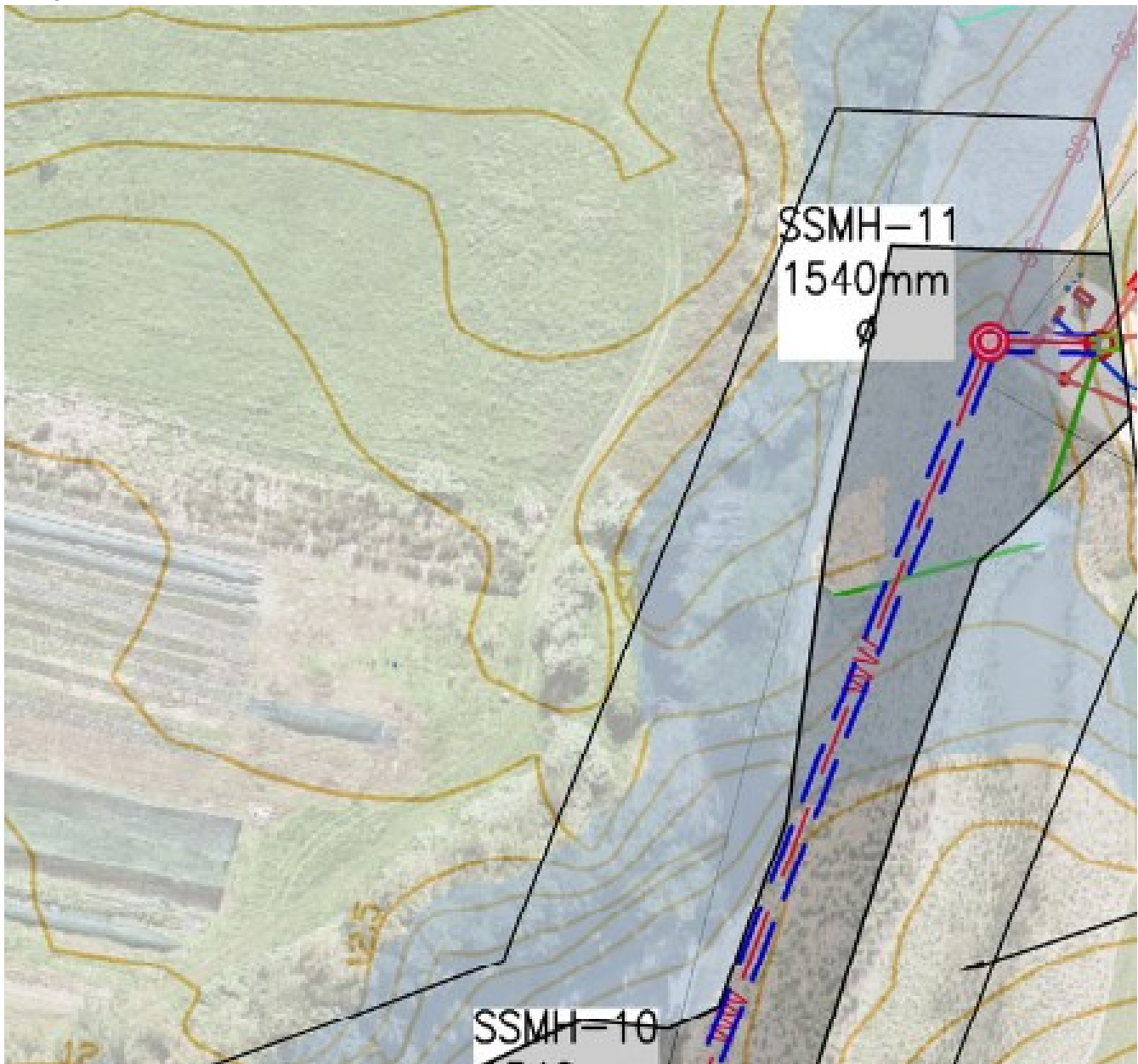
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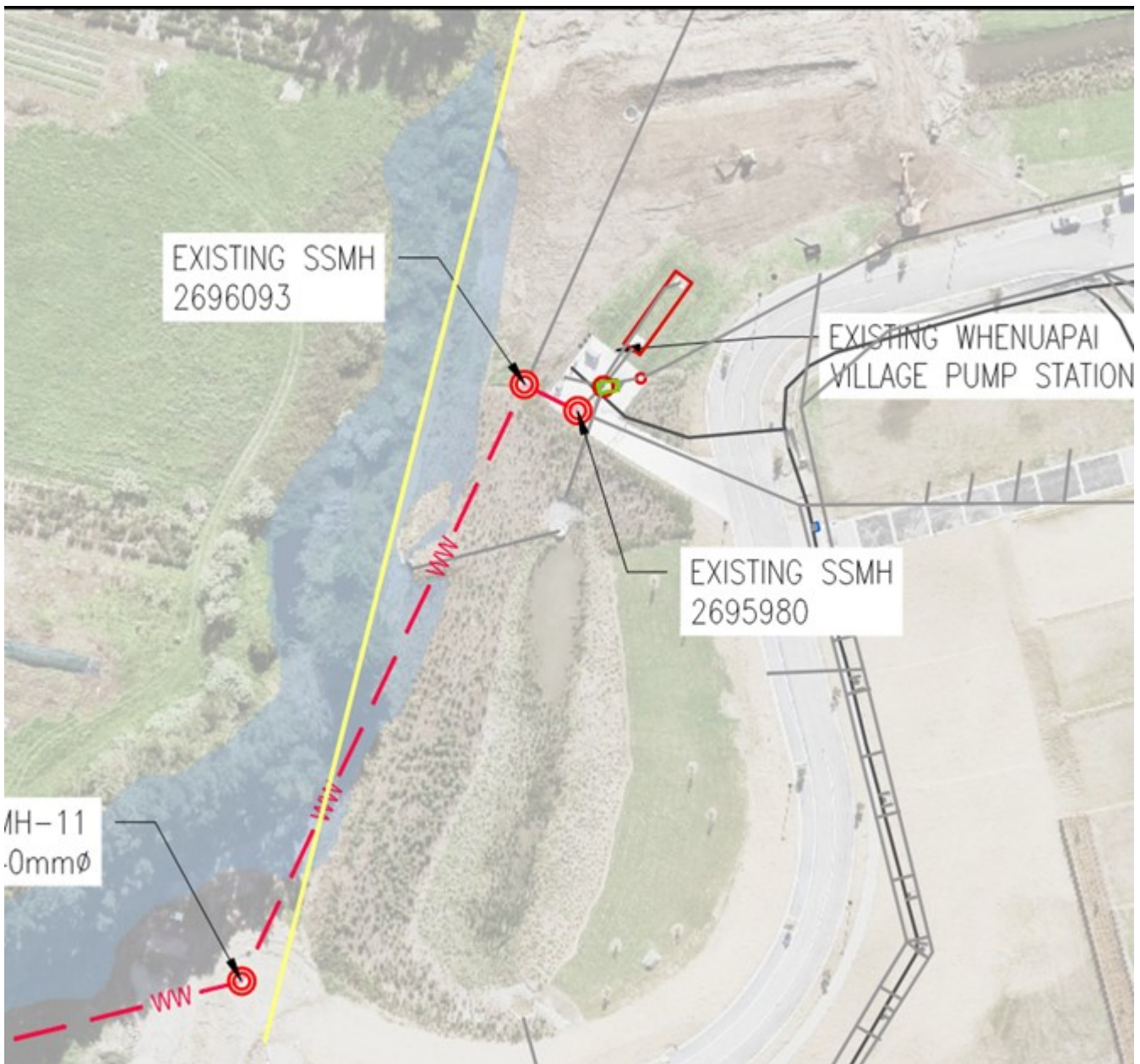
Website: www.watercare.co.nz

During the detailed design process, and in response to the Healthy Waters comment, the wastewater pipe has been shifted west, further away from the stormwater embankment. The pipe now crosses the property boundary into 28 Brigham Creek Road in order to avoid the embankment. Please see sketches below.

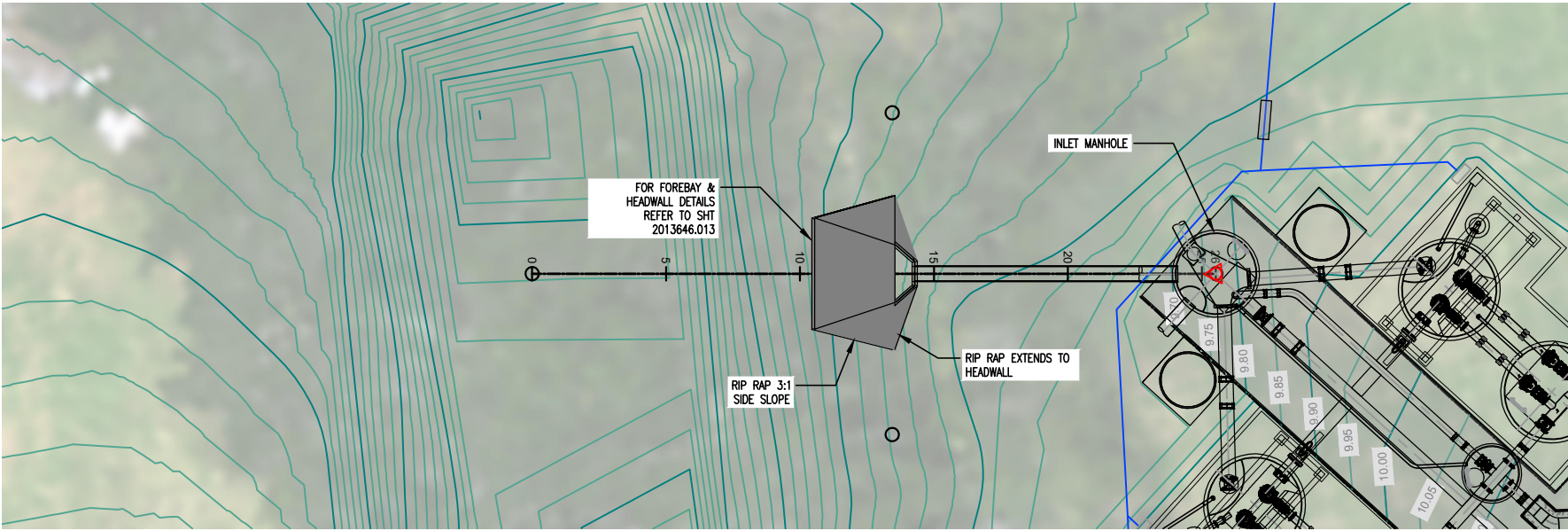
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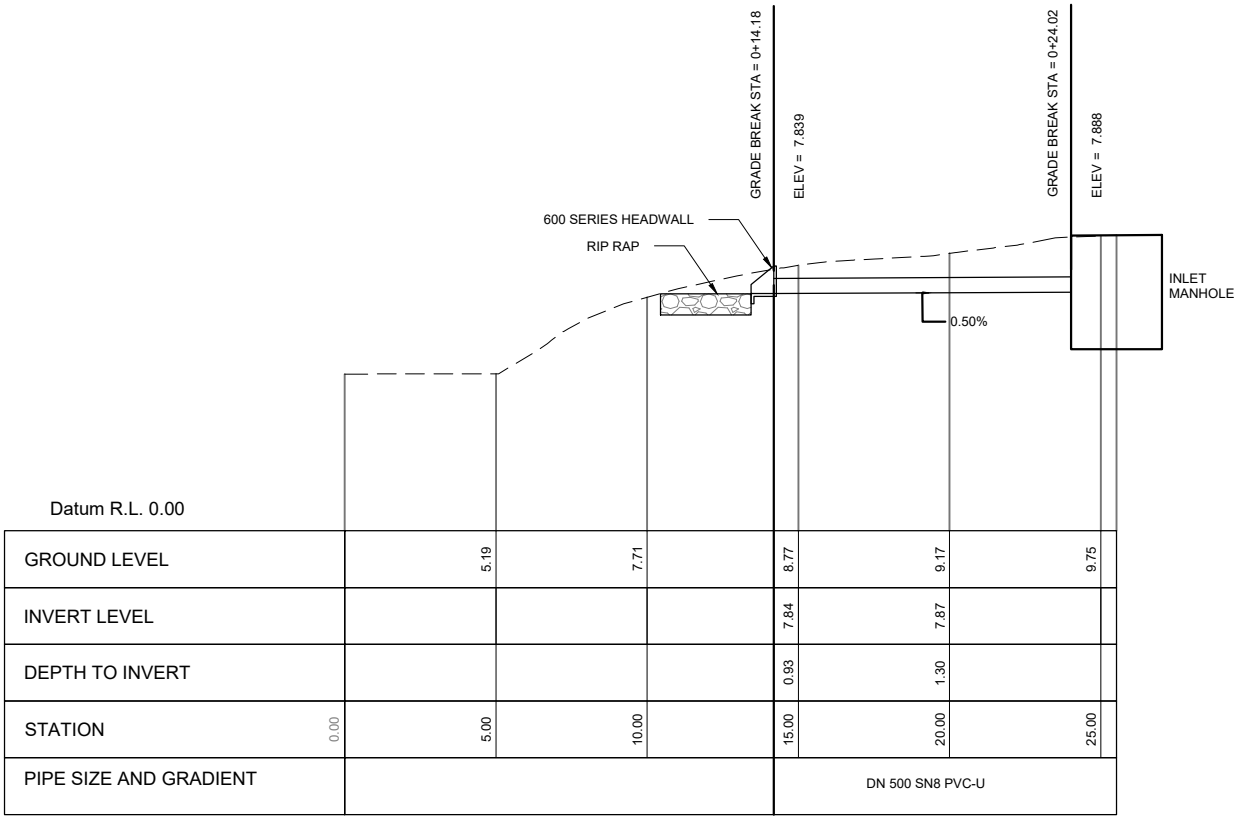
AFTER:



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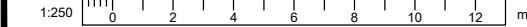
PLAN
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EMERGENCY OVERFLOW LONGITUDINAL SECTION
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DETAILED DESIGN
NOT FOR CONSTRUCTION

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				DRAWN	SA	11-21
				DWG. APPROVED	WC	11-21
				WSL DESIGN MGMT.	RB	11-21
				WSL PROJ. LEAD	RB	11-21
1	01-22	DETAILED DESIGN ISSUE	SA	WC		
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE


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WHENUAPAI-REDHILLS WASTEWATER SERVICING PACKAGE 1
WASTEWATER PUMP STATION (DPISH)
EMERGENCY OVERFLOW PLAN & LONGITUDINAL SECTION



CAD FILE	2013646.012	DATE	14-01-2022
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	-
REF No.	12508391	3-AWD32	
DWG No.	2013646.012	ISSUE	1

8 03 2022

Watercare Services Ltd
73 Remuera Road
Newmarket
Auckland 1050

Attn: Keri Davis-Miller

Dear Kerri,

Re: Network Utility Operator Approval for the new engineered overflow point (EOP) at 23 – 27 Brigham Creek Road

This letter represents approval from the Auckland Council Healthy Waters department, as the stormwater network utility operator, for the applicant to discharge wastewater to the stormwater network as described below. It does not represent Manager's Certification under Watercare's wastewater network discharge consent nor Engineering Plan Approval, which are to be obtained separately by the applicant if applicable. Healthy Waters accepts no responsibility for the quality and quantity of wastewater discharge entering the stormwater network at the proposed EOP.

We have reviewed the following documentation submitted for this development:

- EMERGENCY OVERFLOW PLAN & LONGITUDINAL SECTION as per drawing 2013646.012
- EMERGENCY OVERFLOW - OUTFALL AND RIPRAP DETAIL as per drawing 2013646.013

The details of this approval are as follows:

- 23 – 27 Brigham Creek Road

Consent under which discharge is approved – R/REG/2013/3743

Further technical information is contained within the attached Application for Healthy Waters Approval.

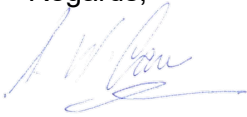
As detailed in the application information sheet, the requirements of this approval include the following:

- i. Telemetry is required on all new EOPs and is expected to be live.
- ii. Healthy Waters will be provided with this live information covering overflow occurrences, timeframe of occurrences and any other relevant telemetry information Watercare has on the EOP.
- iii. The EOP connection is expected to display in the Council GIS system within 30 days of construction completion
- iv. Clean up of overflows shall be the responsibility of Watercare to the satisfaction of the HW area operations manager.
- v. Where the overflow extends to private watercourses or other open environments, Watercare will manage the effects and respond to any complaints.
- vi. Screening is to be installed on overflow weirs to mitigate debris where possible.

Any changes to the design will need to be resubmitted and re-approved.

This approval is for a connection to the Healthy Waters stormwater assets (including publicly managed watercourses) only.

Regards,

A handwritten signature in blue ink, appearing to read 'Tony Cain', with a stylized flourish at the end.

Tony Cain
Lifecycle Management Northern Area Manager
Healthy Waters
Auckland Council

Application for Healthy Waters Approval– new Engineered Overflow Point (EOP)

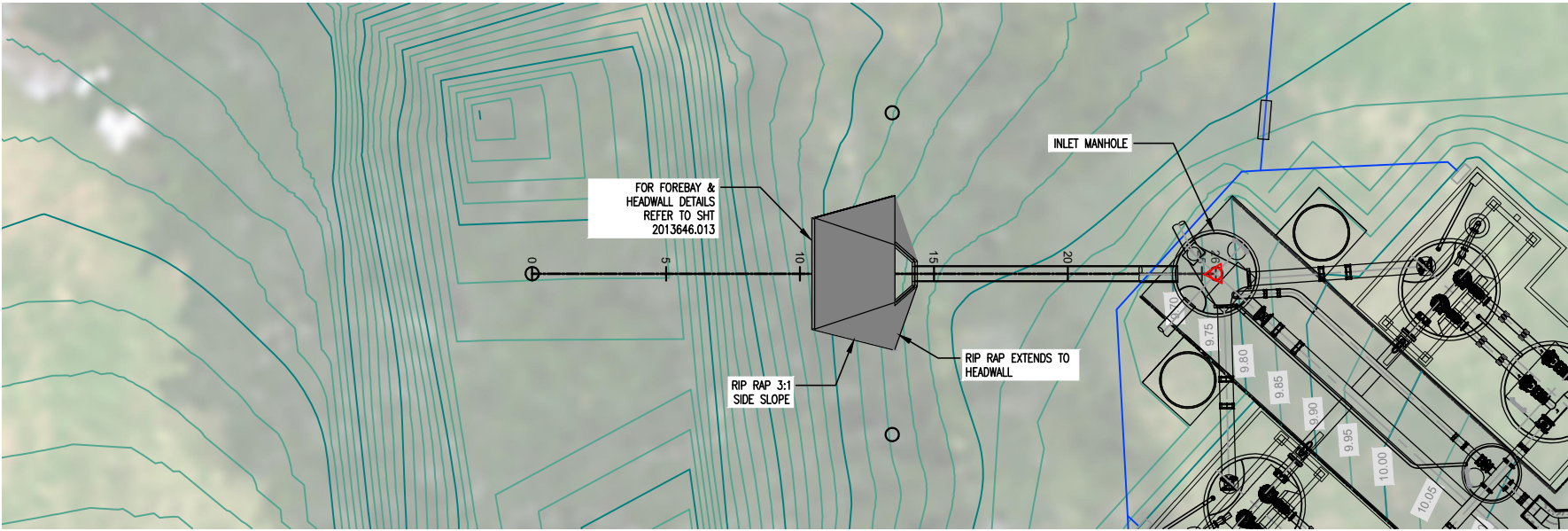
Name of Project	New Engineered Overflow Point – Whenuapai Wastewater Servicing Scheme. Location of discharge - 23 – 27 Brigham Creek Road Co-ordinates of EOP: approx. 1742954, 5926591
Timing	Construction Start Date – January 2023 Completion Date – March 2024
Capacity Resolution	It will be a permanent feature
Estimated Value	This EOP is part of a wider wastewater servicing scheme for Whenuapai and Redhills worth more than \$124.3m
Context for the Project	Infrastructure provided under HIF funding, will service the wastewater needs of Whenuapai by providing for growth that will occur in the 'Future Urban' zoned land enabled by the Auckland Unitary Plan in 2016. The proposed work is known as the Whenuapai Wastewater Servicing Scheme.
Project Description	The Scheme provides wastewater infrastructure in Whenuapai, from the existing Whenuapai Village Pump Station, on Tamiro Road, and the North West Motorway; and includes approximately 4 km of pipes and a pump station.
• Existing situation	See above context.
• Reason for project	See above
• Description of works	The project consists of a gravity main, rising main, and pump station. The proposed gravity pipeline will be installed underground by open-cut trenching at a depth of between 1.5m and 4m to account for existing ground levels and maintain a downward slope on the pipeline between the existing pump station (to be decommissioned) at Tamiro Road and the new pump station along Brigham Creek Road .
• Overflow volume and frequency	This is not a wet weather overflow, it is an Emergency Overflow point only. We have not estimated volumes as this is entirely dependent on how long the pump is out of operation for, combined with the incoming flow to the pump station.
• Alternatives considered / Long term solutions	The design of the pump station requires an Emergency Overland Flow. Other locations for the pump station were considered and would have included Emergency Discharge points into the same stream.
• Mitigation measures	The proposed pump station will be designed to comply with four hours minimum storage capacity [as required in Watercare's discharge consent] as well as having the possibility of been run with backup power.
• Monitoring and clean up	Duration of monitoring. The data will be formally reviewed with the Healthy Waters Department on a 6-monthly basis. Notification to Ops managers (refer to SLA as applicable). Telemetry is to be made available in a live format to the Healthy Waters department. Watercare will follow the Wastewater Overflow Regional Response Manual that has been approved by Auckland Council Pollution Response Team, Auckland Council Licensing and Compliance Team and Watercare Services Limited. Any Dry Weather Overflows will be responded to in accordance with the protocols agreed with Auckland Council. Wet weather overflows are responded to on a prioritised basis and will be addressed as appropriate for the event.

• Anticipated effects on stormwater network	<i>There is no anticipated upstream effect on the stormwater network.</i>
Consenting history	
• Other consent(s) sought	Consents sought for the construction of the pump station include, earthworks, vegetation removal.
AUTHORISATIONS	

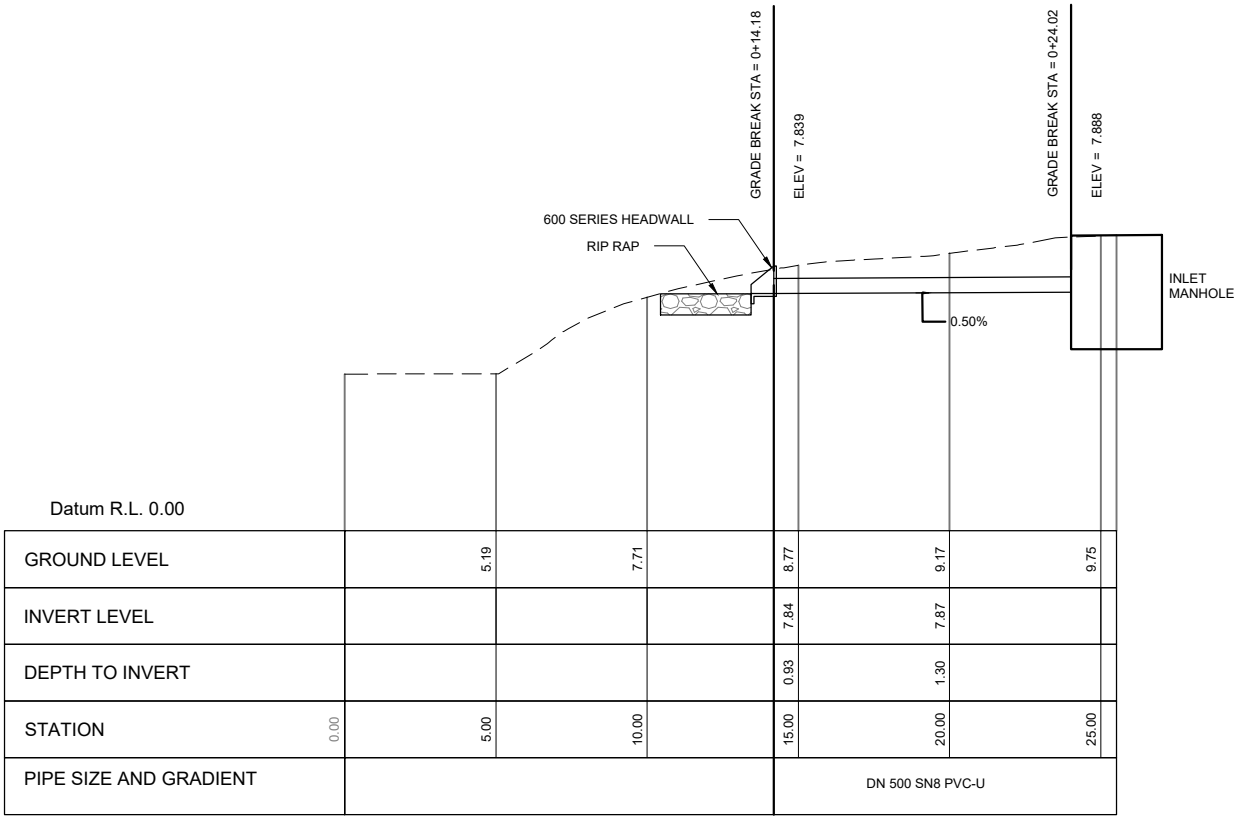
Recommended by

Approved by

Name	Name
Role	Role
Date	Date



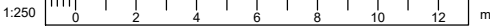
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EMERGENCY OVERFLOW LONGITUDINAL SECTION
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				DWG. APPROVED	WC	11-21
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				WSL PROJ. LEAD	RB	11-21
1	01-22	DETAILED DESIGN ISSUE	SA	WC		
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE


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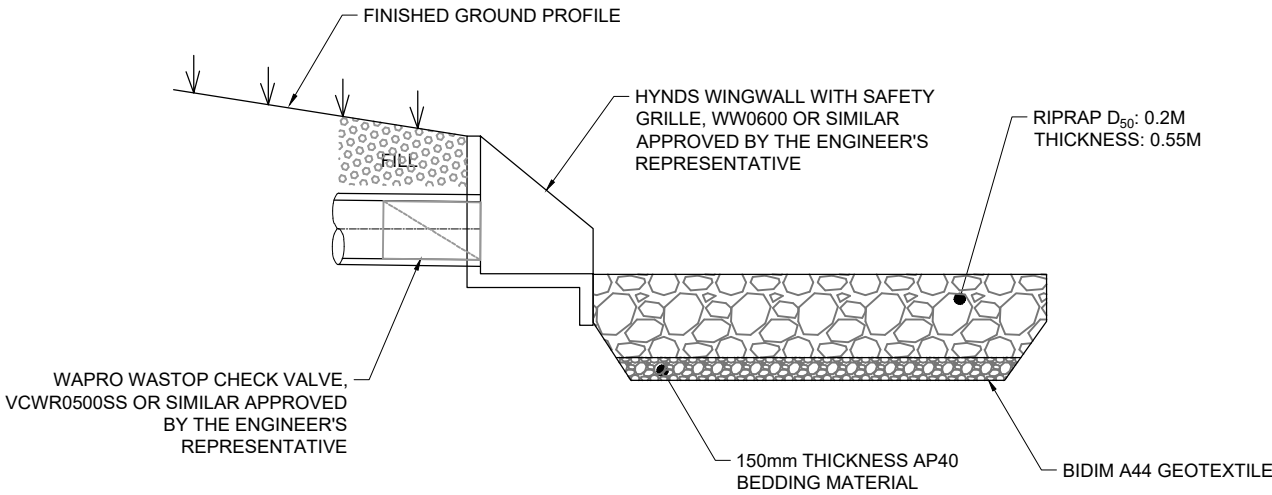
WHENUAPAI-REDHILLS WASTEWATER SERVICING PACKAGE 1
WASTEWATER PUMP STATION (DPISH)
EMERGENCY OVERFLOW PLAN & LONGITUDINAL SECTION



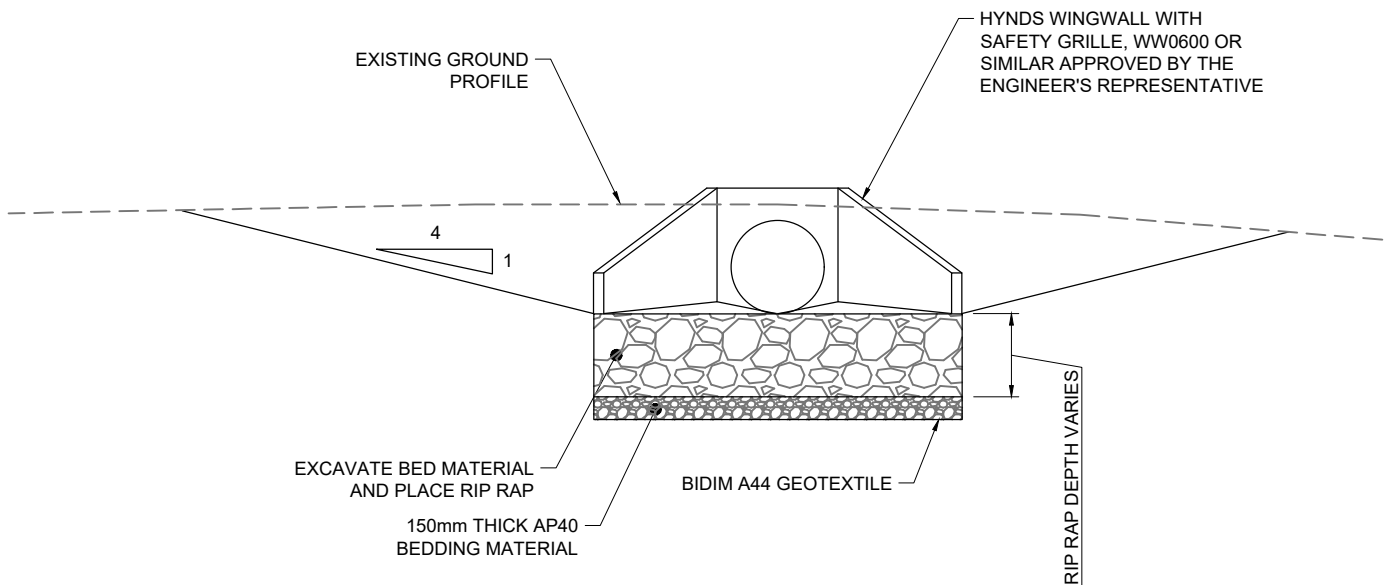
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DWG No.	2013646.012	ISSUE	1

APRON NOTES:

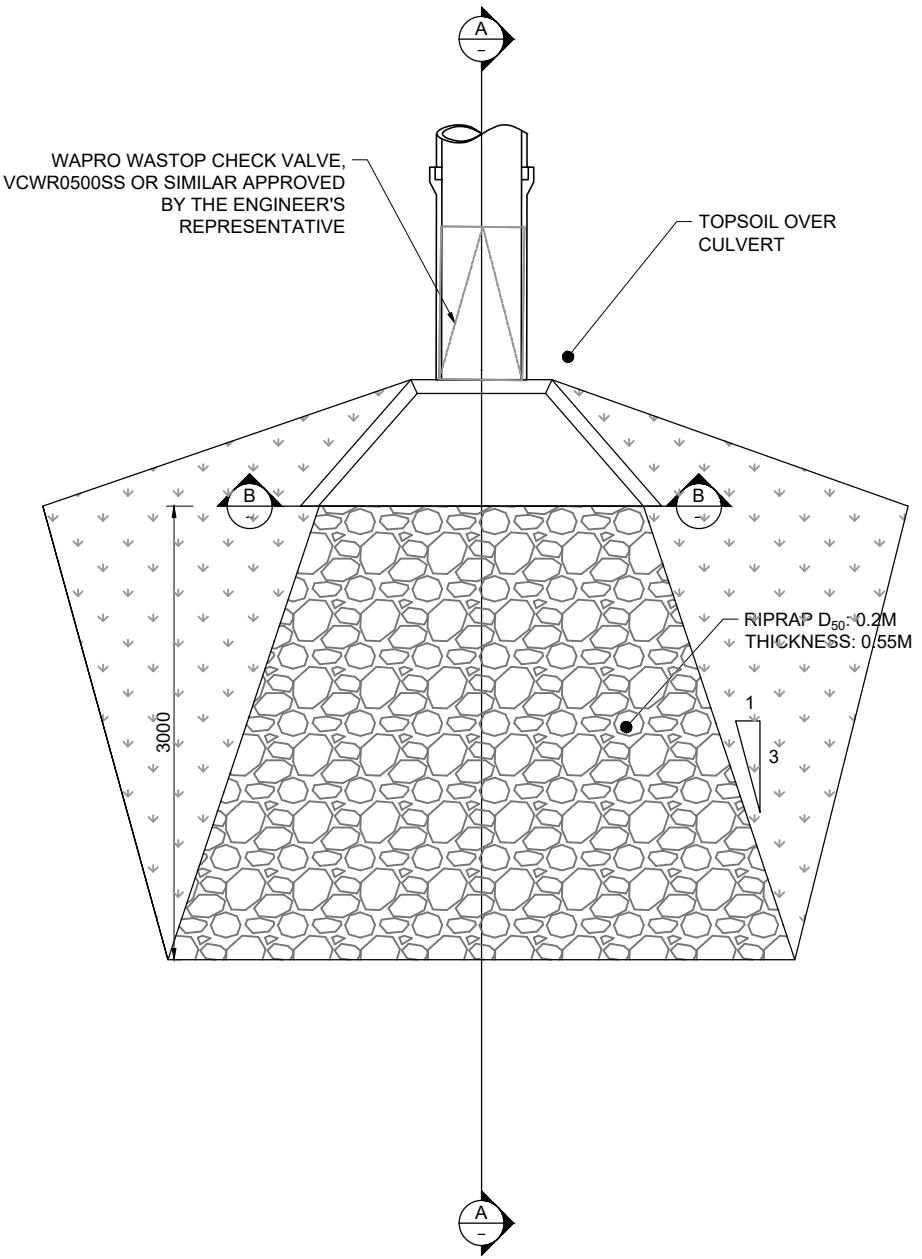
1. RIP-RAP APRON IS TO BE PLACED FLAT LONGITUDINALLY (0% GRADE), WHEREVER POSSIBLE.
2. GEOTEXTILE MATERIAL SHOULD OVERLAP 300mm AND EXTEND 300mm BEYOND ROCK. SECURE THE FILTER CLOTH AT THE EDGES VIA SECURE PINS.
3. WINGWALL TO INCLUDE PROPRIETARY SAFETY GRILLE



SECTION A-A - RIP-RAP APRON ENERGY DISSIPATOR
Scale: NTS



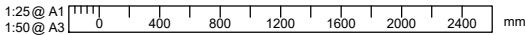
SECTION B-B - RIP-RAP APRON ENERGY DISSIPATOR
Scale: NTS



PLAN - RIP-RAP APRON ENERGY DISSIPATOR
Scale: NTS

DETAILED DESIGN
NOT FOR CONSTRUCTION

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				DRAWN	JG	11-21
				DWG. APPROVED	RG	11-21
				WSL DESIGN MGMT.	RB	-
				WSL PROJ. LEAD	RB	-
1	01-22	DETAILED DESIGN ISSUE	JG	RG		
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE

**Watercare**

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WHENUAPAI-REDHILLS WASTEWATER SERVICING PACKAGE 1
WASTEWATER PUMP STATION (DPISH)
EMERGENCY OVERFLOW - OUTFALL AND RIPRAP DETAIL



CAD FILE	2013646.013	DATE	14-01-2022
ORIGINAL SCALE	A3 AS SHOWN	CONTRACT No.	-
REF No.	12508391	3-AWD32	
DWG No.	2013646.013	ISSUE	1

Rachael Clark

From: WHung (William) <William.Hung@water.co.nz>
Sent: Thursday, 5 May 2022 1:30 pm
To: Rachael Clark
Subject: FW: For your information - Whenuapai Wastewater Servicing Scheme DRAFT ecology report
Attachments: Ecological Impact Assessment KDM comments.docx

You don't often get email from william.hung@water.co.nz. [Learn why this is important](#)

Hi Rachael,

FYI, our latest update to Ngāti Whatua o Kaipara on the project.

Regards
William

William Hung

Senior Resource Consents Planner
Strategy and Planning

Watercare Services Limited

Mobile: 021 613506

Customer service line: +64 9 442 2222

Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Sent: Wednesday, 27 April 2022 5:19 pm
To: Andrew Cave <andrew.cave@kaiparamoana.com>; WHung (William) <William.Hung@water.co.nz>
Subject: For your information - Whenuapai Wastewater Servicing Scheme DRAFT ecology report

Kia ora Andrew

Whenuapai Wastewater Servicing Scheme DRAFT ecology report

I would like to thank you for your engagement with the project to date, provide you with the draft ecological report, and introduce you to William Hung.

I would like to take this opportunity to introduce William Hung from the Watercare Consents Team. William is the Principal Planner within the consenting team and will be leading this application for Watercare going forward. He will no doubt be in contact with you soon to send through the arboricultural report, and to provide you with an update when we lodge the application.

You will find attached a copy of the DRAFT ecology report for your interest. Note that there are a couple of comments in there from me for the ecologist, asking her to expand on her assessment. A suite of the draft reports have now been sent for Auckland Council review, prior to us lodging resource consents and serving a Notice of Requirement.

If you do get some time in the future and would like to visit the site then William will be more than happy to make the appropriate arrangements.

Kind regards

Keri Davis-Miller

Manager Networks Consenting
Strategy and Planning

Watercare Services Limited

Mobile: 022 100 4071

Customer service line: +64 9 442 2222

Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz



From: Andrew Cave <andrew.cave@kaiparamoana.com>
Sent: Friday, 1 April 2022 12:41 pm
To: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Subject: RE: Whenuapai Wastewater Servicing Scheme - site visit and update

CAUTION:External Email!

Kia ora Keri

Yes you can, providing (as you say) it is in accordance with those recommendations.

Nga mihi

Andrew

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Sent: Friday, 1 April 2022 12:33 pm
To: Andrew Cave <andrew.cave@kaiparamoana.com>
Subject: Whenuapai Wastewater Servicing Scheme - site visit and update

Kia ora Andrew

Thank you for replying. As Kaipara have provided a CVA to the developer, and reasonable assertion of support, can I take your communication as support of the proposed work as it progresses in line with the recommendations of the CVA?

I will also continue to send through the technical reporting as it arrives. Of particular interest, I am sure, is the ecological and arboricultural report.

Ngā mihi

Keri

From: Andrew Cave <andrew.cave@kaiparamoana.com>
Sent: Friday, 1 April 2022 12:26 pm
To: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Subject: RE: Whenuapai Wastewater Servicing Scheme - site visit and update

CAUTION:External Email!

Kia ora Keri,

Thank you for the email and apologies for the delay in replying. I currently work part time for the trust.

We appreciate the invitation and the opportunity to be involved further. At present however, we are very short on resourcing in this area and have very limited time for meetings and site visits. Hopefully in the next few months this situation will improve and we are able to recruit accordingly.

Ngā mihi mahana,

Andrew C. Cave
Environmental Planning Advisor



Ngā Maunga Whakahii o Kaipara Development Trust
16 Commercial Road, Helensville, Auckland 0840
P.O. Box 41, Helensville 0840
E | andrew.cave@kaiparamoana.com
M | 0210 8377 416

The information contained in this email is strictly confidential and private to the sender and the intended recipient/s. If you receive this in error, please delete it and notify the sender.

From: KDavisMiller (Keri) <Keri.Davis-Miller@water.co.nz>
Sent: Wednesday, 16 March 2022 10:07 am
To: Resource Management Services <tetaritaiao@kaiparamoana.com>
Subject: Whenuapai Wastewater Servicing Scheme - site visit and update

Kia ora

Would kaitiaki from Ngāti Whatua o Kaipara like to attend a site visit of the Whenuapai Wastewater Servicing Scheme soon? The project has progressed in relation to consenting and I would like to seek feedback from Ngāti Whatua o Kaipara about this.

In brief, where previously a private developer was to construct a road through the project area (Ngāti Whatua o Kaipara provided a CVA to this, attached), Watercare are now proceeding our works sooner and will be responsible for constructing a culvert in the stream. If time is limited, I can guide you through the project on-line looking at aerials, or we can meet on site.

I have attached a previous update for quick reference. The proposed designation footprint is too large to send so I will upload this to the OneDrive and send a link to the tetaritaiao address.

I look forward to hearing from you soon.

Ngā mihi

Keri Davis-Miller

Manager Networks Consenting
Strategy and Planning

Watercare Services Limited

Mobile: 022 100 4071

Customer service line: +64 9 442 2222

Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz





KAIPARA

**23 Brigham Creek Road and 44 Spedding Road, Whenuapai
Oyster Capital.**



NGĀ MAUNGA WHAKAHII O KAIPARA

P | 09 420 8410 ~ M | 021 083 77 416 ~ E | admin@kaiparamoana.com
PO Box 41, 16 Commercial Road, Te Awaroa-Helensville, 0840, Aotearoa NZ

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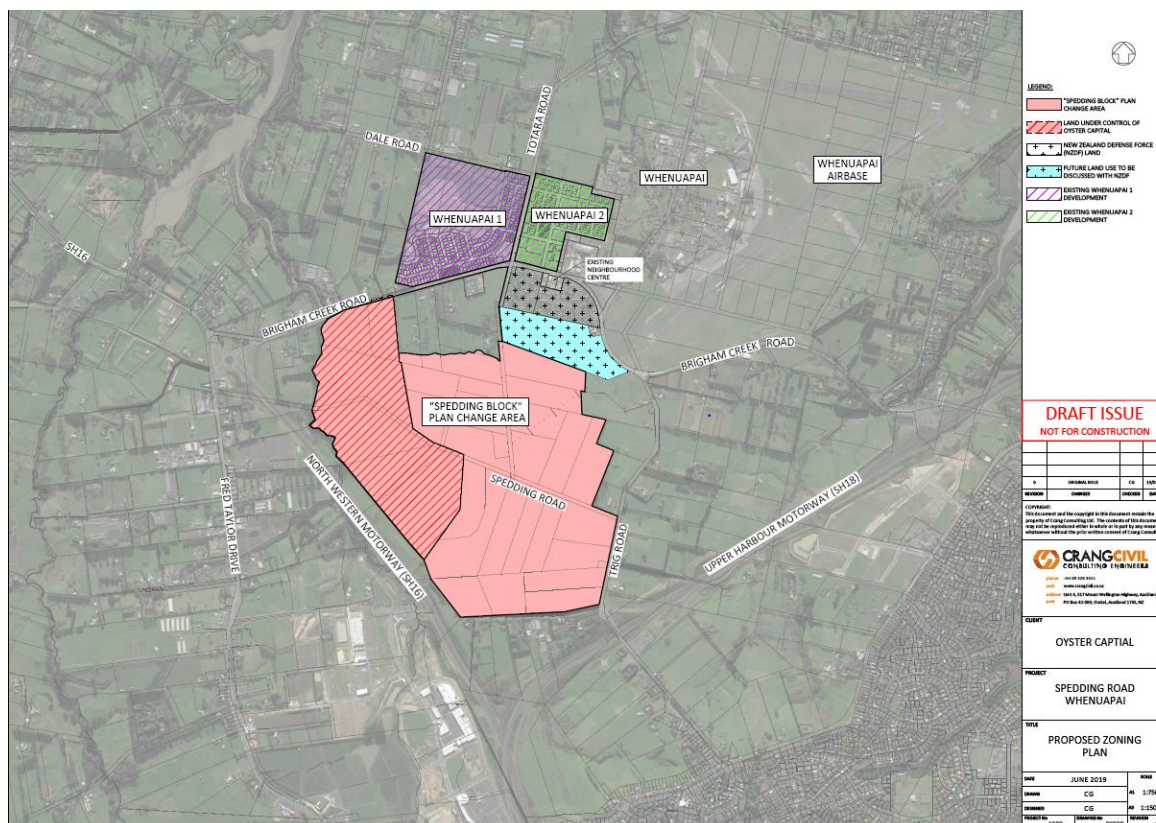
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1.1 Document Purpose

This document takes into account the principles of Te Tiriti o Waitangi / Treaty of Waitangi. It recognises the core values, the historic, traditional, cultural, and spiritual relationship of Mana Whenua to the Brigham Creek/Whenuapai area.

1.2 Executive Summary:

The document aim is to provide input into the Application by Oyster Capital for a Private Plan Change for an area included in the Whenuapai Structure Plan 2016. The area is adjacent to the North Western Motorway/SH16, in the triangle bordered by Brigham Creek Road and Spedding Road. Refer Plan below:



The following information outlines the basis that the decision to support the application (at this point) has been made.

A site visit was undertaken on 17th February. The land is predominantly farmland, with poor pasture cover, some swamp patches (currently dry due to drought), streams and a variety of shelter belts, Willow/Pine/Barberry and Pest Plants such as Privet and Blackberry. Adjacent to the Motorway, the property is bordered on the West by Totara Stream. This is fenced but much of the vegetation is pine or exotic weed varieties with some natives interspersed.

The area contains Power Pylons and Lines which in the future will be undergrounded. A current Watercare Project, which will involve a pipeline through the property from Spedding Road through to a new pump station planned for Brigham Creek Road, is under design.

There is no Wahi Tupuna (ancestral sites) sites recorded on this land but a tidal arm of the Waitemata joins Totara Stream at Brigham Creek, the Northern point of the property. It is logical that the area was a source of seasonal kai and kaimoana. There are many recorded

midden and hangi sites around the coastal fringe with the Upper Waitemata part of the portage, home to some and a stop off point for travellers.

The area sits across the motorway, opposite the NorthWest Mall Development. This contains the Shopping Mall and is Zoned for High Density/High Rise Housing, currently under construction. Behind NorthWest, across Fred Taylor Drive, the Future Urban Zone of Redhills is currently being developed. A number of Live Zoned areas are now under build. Down SH16 another West Future Urban Zone, Huapai, has several thousand homes already built and occupied, as does Whenuapai.

With this housing growth the best answer is to provide more local employment and workspace. The rezoning of this area is a logical choice. The proximity to homes, people and transport networks makes it ideal.

The benefits to people and industry of having locally available workforce are well documented. Better quality of life, proximity to Childcare/Schools, increased reliability, ease of access which benefits the environment. People able to walk/cycle and use public transport which means a reduction in travel time, transport congestion and associated pollution.

In a time when we are all looking to how we can reduce Carbon Emissions and reduce our footprint on the planet, the ability to live and work locally is a huge contributor.

Earlier work by the New Zealand Transport Agency (NZTA)/Auckland Transport indicated that Spedding Road was the likely extension of Northside Drive across SH16 to meet SH18 to the North Shore.

In the future, as an area in close proximity to Motorways/Connector Roads, with associated noise/emissions, it seems logical to relook at the Zoning away from High Density Housing.

The benefits that Light Industrial/Business would bring to the area are extensive and it appears to be a good use of the site.

On behalf of Te Tari Taiao, Ngā Maunga Whakahii o Kaipara, I support this application to rezone.

1.3 Document Control

This is the intellectual property of Ngā Maunga Whakahii o Kaipara representing the interests of the five Marae of Ngāti Whātua o Kaipara.

- Puatahi, Araparea, Kakanui, Haranui, Reweti

This report has been prepared to ensure that Ngāti Whātua o Kaipara values and interests are a consideration.

It is not to be copied or distributed without the approval of both Ngā Maunga Whakahii o Kaipara and Watercare.

1.4 Project

Oyster Capital Application for a Private Plan Change to alter the Zoning, in part, of areas within Brigham Creek and Spedding Road Precinct, Whenuapai.

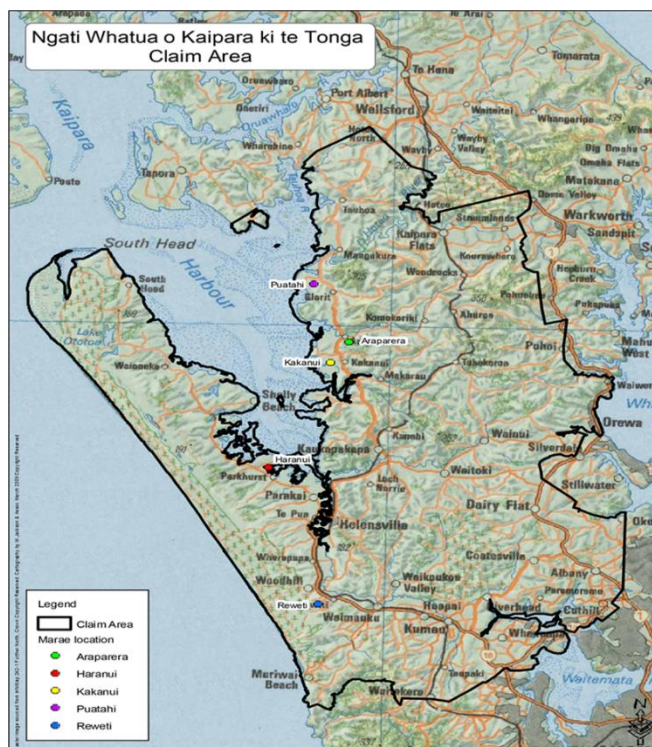
Ngā Maunga Whakahii o Kaipara as Mana Whenua endorse the recognition and enhancement of the spiritual values of the area, when done respectfully according to tikanga. This may include:

- Karakia or blessing over the area prior to any excavations and earthworks.
- The planting of eco-sourced vegetation.
- Wastewater mechanisms eliminating adverse effect of discharges.
- Sustainable building and construction methods.
- Robust control systems to ensure water quality is not compromised.
- Retaining topsoil in the development.
- Flora appropriate to the location that supports insects, bats, birds and aquatic life.
- Respect for those things of value on site, plants, insects, birds.
- The importance as part of the North West Wildlink Corridor.

The impact on the cultural landscape can be partially mitigated and enhanced through protection/recognition of known sites, adherence to accidental discovery processes, planting native vegetation and incorporating references to Maori heritage where appropriate. IE: Street naming, Artwork etc.

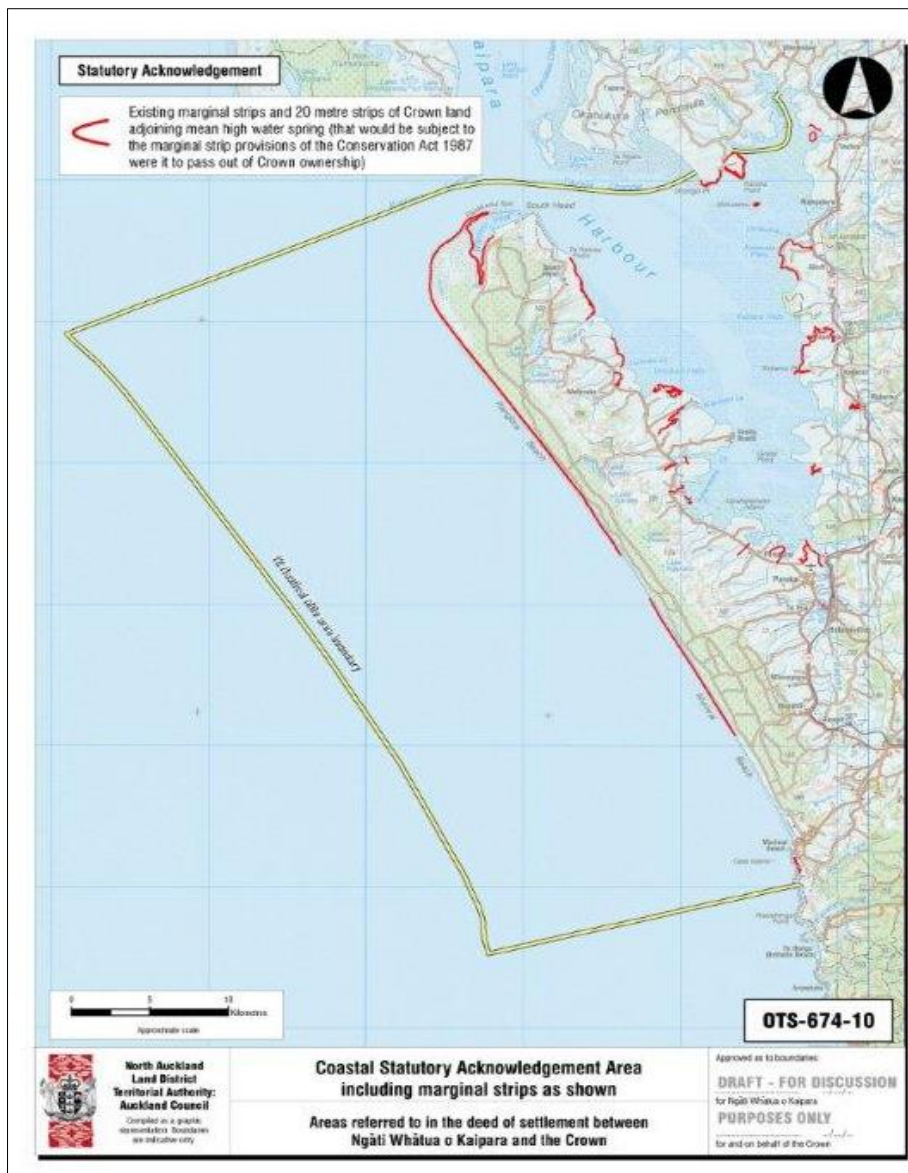
1.5 Areas of Interest

Map 1: Land Map of the Ngāti Whātua o Kaipara Area.



As kaitiaki we aim to protect the unique qualities and mauri of this resource and the surrounding whenua.

Map 2: Coastal Statutory Acknowledgement.



2.0 Ngāti Whātua o Kaipara values.

Tikanga - to protect and uphold the customary cultural rights and ownerships, beliefs and values of the Ngāti Whātua o Kaipara Marae. Through the use and promotion of cultural practice unique to the Kaipara, Te Reo, Powhiri, Rahui, Tangi, Waiata and other protocols.

Whakawhānaungatanga - to strengthen and maintain relationships with each of the Ngāti Whātua o Kaipara Marae and other whānaunga.

Rangātiratanga - to develop relationships with Crown agencies between the Ngāti Whātua o Kaipara Marae and local government and other organisations that give positive and sustainable outcomes to Te Tiriti o Waitangi obligations.

Manaakitanga - to foster opportunities for the welfare and well-being of the whānau of the Ngāti Whātua o Kaipara Marae. Respect our shared knowledge and experiences.

Kaitiakitanga – to foster, strengthen and develop the Ngāti Whātua o Kaipara guardianship of the natural environment. Our fresh water, waterways, sea, islands, air, land, birds, fish, plants and trees. Safeguard the mauri and mana of the area and its resources. Ensure that what we pass on to future generations is the same or better than we came to it.

Aroha - to foster goodwill and trust among our whānau of the five Marae at every opportunity – Whaia te Kotahitanga (seek to unite as one).

The area cannot be seen in isolation. It should be viewed as part of a Kaipara landscape of connected kāinga (villages), pā and its associated waterways used by both resident and itinerant travellers. Our tūpuna, utilised all the resources of the region in different seasons at different places – as is attested to by the prevalence of archaeological sites, many concentrated along the extensive waterways and coastline. This reliance on the land and sea is still utilised and valued today.

2.1 Cultural values- Ngāti Whātua o Kaipara

It is the land and water's integrity, the mauri, (the life force) which Ngāti Whātua o Kaipara has a responsibility to protect and uphold. This includes the land at Whenuapai, a place of coming together between Ngāti Whātua o Kaipara and other Iwi.

The loss of cultural wellbeing by the degradation of the mauri of the land and waterways will have devastating implications for the cultural interests of Ngāti Whātua o Kaipara.

Waahi Tapu sites are special and unique to Ngāti Whātua o Kaipara. These sites are evidence of Ngāti Whātua o Kaipara occupation and association to the landscape. Waahi Tapu represents; burial sites, these often marked by specific trees, sacred or ritual sites, significant waka landing, & battle grounds. Waahi Tupuna includes signs of ancestral occupation, pa, kainga, gardens, kumara pits & midden. Across the Rohe there are a number of sites which have not been disclosed to the general public due to the personal connection to these areas.

The Harbours are a taonga (precious treasure), the Kaipara is part of Ngāti Whātua o Kaipara cultural identity and along with the Waitemata, sustaining the people with its abundance of kaimoana (sea food) and nourishes Ngāti Whātua o Kaipara spiritual wellbeing.

Along with the known and unknown heritage sites, the effects on waterways both ephemeral or permanent, the Coastal fringe, land, birdlife, fish, trees and access to resources are a consideration when reviewing any application.

3.0 Ngāti Whātua o Kaipara historical context

Ngāti Whātua o Kaipara progressively extended their control over the area from 1680s onwards and they exerted control over this area of land up until European settlement.

Ngāti Whātua signed the Treaty at Waitangi and also at Manukau on 20 March 1840, thus beginning a long tradition of Ngāti Whātua commitment to and support for the Crown. Apihai Te Kawau the paramount chief of Ngāti Whātua sent an envoy north to Kororareka to offer land to Hobson to build his new capital in Tamaki Makaurau (Auckland).

The Kaipara region (Aotea) was selected by the Crown as the first place for the Native Land Court to operate, from 1864, the Native Land Court granted land to individuals, rather than to Iwi and hapu, this made those lands more susceptible to partition, fragmentation, and

alienation. Significant costs were also carried by Ngāti Whātua. By 1880, Ngāti Whātua were no longer selling land as a strategic move to promote development but using it as a means of repaying debts and as a source of much-needed income.

From 1844 to 1845, the Crown allowed direct dealings in land between settlers and Māori. A substantial amount of land bordering the Kaipara and upper Waitemata Harbour, was alienated at this time. Regulations put in place by the Crown were not correctly applied and later investigations did not always protect Māori interests. The Crown retained a “surplus” of around 24,000 acres.

By the 1940s, Ngāti Whātua had lost most of their ancestral land. This, and the cumulative effect of the Crown’s breaches of the Treaty, has continually undermined the tino rangatiratanga of Ngāti Whātua. Ngāti Whātua have always exercised their responsibilities as mana whenua in this area to retain and maintain the cultural heritage and values of Ngāti Whātua o Kaipara that is embodied in the ethics of Kaitiakitanga, even though Ngāti Whātua no longer owned much of the land in their rohe.

Following colonisation, the Kaipara Harbour was used extensively for shipping with the land progressively cleared of kauri forest and gum extracted. Later the land was used for either pastoral farming or horticulture.

This report documents Ngāti Whātua values, interests and associations with an area or a resource, and the potential impacts of a proposed activity on these. Consideration of the proposal is made in regard to its impact upon taonga, spiritual values and wellbeing.

3.1 Ngāti Whātua o Kaipara contemporary context

Ngā Maunga Whakahii o Kaipara Development Trust is the legal entity that manages the settlement assets, coordinates and facilitates the interests of Ngāti Whātua o Kaipara, including Kaitiakitanga (Guardianship). A key priority is to retain and maintain our cultural and traditional practices of Ngāti Whātua that are embodied in Kaitiakitanga roles and responsibilities.

Ngāti Whātua o Kaipara refers to the uri (descendants) from ancestors of each of the five marae of South Kaipara; namely Reweti (Whiti te Ra) to the South and Haranui (Nga Tai i Turia ki te Maro Whara) to the North West, Kakanui (Te Kia Ora) and Araparera (Te Aroha Pa) to the East and Puatahi (Te Manawanui) to the North.

These descendants are also linked across the wider Ngāti Whātua and as such their interests are interrelated and serve to uphold and strengthen the mana (customary authority) of Ngāti Whātua within the Auckland region.

June 2013 the Ngāti Whātua o Kaipara Claims Settlement Act 2013 was recognised and an acknowledgement given of the Treaty breaches that had occurred.

As part of the settlement Woodhill and parts of the Riverhead Forest were returned as commercial redress along with other significant land areas such as Atuanui Scenic Reserve, Moturemu Island, Makarau Bridge Reserve, the land under a number of School across the Rohe, thus making Ngāti Whātua o Kaipara the largest Maori private landowner within Auckland.

Ngāti Whātua o Kaipara continues to welcome settlers to live amongst them, and uphold the approach, “that we work together to develop, according to our tikanga (customs), the land so that we may all benefit and provide a future for our generations to come.”

Ngāti Whātua o Kaipara has a cultural connection with the land and seeks to uphold its kaitiakitanga (guardianship) and tangata whenua values, with regard to the construction of the sewer line and associated plant. Through this, to protect the waterways, manage future storm water network and ultimately the health of the Waitemata and Kaipara Harbours.

The marae is the nucleus of a Maori community and where there are activities of change, construction and development within our rohe, it is imperative that the Marae closest to this activity is advised and encouraged to participate in these activities of advising the appropriate tikanga to be observed. In this case strong links are recognised to Reweti Marae.

3.2 Kaitiakitanga

Ngā Maunga Whakahii o Kaipara Development Trust responsibilities include, but are not limited to, the following:

- Protection and maintenance of wahi tapu (sacred) and other heritage sites.
- Protection of taonga (treasures); this includes native species.
- Placing of rahui (temporary traditional practice of prohibition) to allow replenishment of natural resources.
- Restoration of damaged ecosystems.
- Protection of sensitive environments.
- Planting area with site appropriate native flora.
- Directing development in ways which are in keeping with the environment.
- Ensuring the sustainable use of resources.
- Upholding the tikanga (customs and cultural practices) associated with traditional activities, such as karakia (prayer);
- Providing for the needs of present and future generations.

Effects:

- The effects of the Plan Change would be positive. These are linked to closer access to employment in relationship to Housing Expansion. Our assessment against Providing for the needs of present and future generations.
- The landscape is also suitable, it requires minimum modification for development being primarily flat. The reduction in High Density Housing in an area which would likely be affected by Road/Airport noise is also a consideration, the site is in the flight path. Assessment against Directing development in ways which are in keeping with the environment.
- **Other effects** Through the plan change process Oyster Capital will be quantifying

the maximum level of environmental modification required to enable the key roads and stormwater outfalls, within the area that Oyster Capital has under control, to be constructed. They have a high level of certainty around the location and footprint of these infrastructure items and using best practice will quantify these items as part of the plan change process.

- In doing so we expect Oyster Capital can demonstrate the overall environmental effects anticipated by key elements of the development (strategic roads, SW devices etc) and how the environmental impacts will be appropriately mitigated, and the environment enhanced. EG: Wetland recharge.
- Future Consenting processes regarding physical construction will add more detail and opportunity but we believe they have shown intent in applying for the Plan Change.
- It is noted that the site is very close to a sensitive waterway (Totara Stream) which ultimately leads to the harbour. The risk should there be any breach of onsite systems, eg: impact of flooding, sedimentation control, storage of hazardous material etc, must be recognised. This will apply to any Zone Designation.
- Much of the vegetation is exotic & weed species, privet, tobacco weed etc. The removal of such species will be of overall benefit. This vegetation will be home to birds and other invertebrates so care will be needed regarding timing of this work.
- There is the opportunity to enhance the environment given its current degraded space. Restoration of damaged ecosystems and Protection of sensitive environments.
- Confirmation of Bat use of Pines, including dead trees. The ecological Plan must take this and safety into consideration. Note: These Bats have been recorded at Redhills a short distance away.

3.3 Taonga

Taonga can refer to artefacts or parts thereof, objects, flora, fauna, water bodies or people. Spiritual values relate to mauri (life force) and wairua (spiritual nature/forces/essences) or people, flora, fauna land, bodies of water etc.

The long-term objective for the Ngāti Whātua o Kaipara is to protect and restore the mauri of land, waterways and harbours.

3.4 Ngāti Whātua o Kaipara Accidental Discovery Protocol

There are sites of significance and sites of value across South Kaipara, including Whenuapai which are at risk of being lost or invisible, therefore Ngā Maunga Whakahii o Kaipara Development Trust, provide the following Accidental Discovery Protocol to be followed and maintained:

- If koiwi (bones), taonga (treasures) or archaeological features are exposed during development, works must cease immediately.
- Should any skeletal remains or artefacts be found, it is important that Ngā Maunga Whakahii o Kaipara Development Trust be contacted immediately to perform a release blessing prior to releasing to authorities.
- The area should be secured so that koiwi or taonga remain untouched and site access is restricted.
- The Project Manager will also notify NZ Police*, Heritage NZ & Project archaeologist.
- Note*: NZ Police in the case of koiwi or skeletal remains being found.
- Heritage NZ should be notified for all discoveries.
- Ngā Maunga Whakahii o Kaipara Development Trust will advise all parties present of the appropriate tikanga (cultural practices) accordingly.
- The “Discoverer” should guide the authorities; the police and kaumatua to the site affected.
- The “Discoverer” will ensure that kaumatua have the opportunity to undertake karakia (prayer) and other cultural ceremonies and activities at the site as may be considered appropriate in accordance with tikanga (cultural practices) prior to the release to other authorities.

Note: The term “Discoverer” is used to describe anyone who locates or has responsibility for the site work being undertaken at the time of any discovery.

4.0 Recommendations

1. Ngā Maunga Whakahii o Kaipara Development Trust, as the legal entity that governs the operations and management of Ngāti Whātua o Kaipara acknowledges the intention of Auckland Council and Oyster Capital to meet their statutory obligation and to ensure the cultural heritage and values of Ngāti Whātua o Kaipara are a key consideration in reviewing this application.
2. Ngā Maunga Whakahii o Kaipara Development Trust acknowledges the application in relation to the mauri of the land, wetland and sea.
3. The Private Plan Change is supported as it will bring positive benefit to the wider Community.
4. When the Private Plan Change is Accepted and moves to the next stage. Ngā Maunga Whakahii o Kaipara Development Trust request the opportunity to undertake Karakia or Blessing (turning the soil) to acknowledge Ngāti Whātua o Kaipara association to the land, to whakanoa - clear the land for the way forward.
5. Ngā Maunga Whakahii o Kaipara require all persons (Developers, Watercare, Contractors etc), directly involved in the construction to be

present at the site induction.

6. Acknowledging the commitment to Zero Harm worksites, Ngā Maunga Whakahii o Kaipara Development Trust is willing to provide cultural ritual to address any incident or accident, in the event this should occur.
7. Ngā Maunga Whakahii o Kaipara Development Trust requires that Ngāti Whātua o Kaipara Cultural monitors are present at the commencement of work across streams.
8. That ongoing reporting and quality management be maintained as part of the compliance controls provided through the Consent process. This includes all sediment control requirements.
9. Ngā Maunga Whakahii o Kaipara requests opportunity to contribute to landscaping design and planting. Given the concern regarding pathogens such as Myrtle/Totara Rust, Tī Kouka (Cabbage Tree) Wilt and Kauri Dieback, that a range of native species be planted to contribute to the natural corridors.
10. Consistent with Ngā Maunga Whakahii o Kaipara Development Trust view, earthworks be retained and reused on site.
11. That should any works expose any cultural artefacts, middens, koiwi (skeletons) that Heritage New Zealand (Pouhere Taonga) Accidental Discovery Protocols are implemented.

5.0 Conclusion

This report is submitted on behalf of Ngā Maunga Whakahii o Kaipara Development Trust. The Trust is the legal entity that governs the operations and managerial systems of Ngāti Whātua o Kaipara, who have responsibilities to uphold the cultural heritage and values of Ngāti Whātua o Kaipara that is embodied in the ethics of Kaitiakitanga.

We are committed to both the retention of our history and the advancement of our people. As kaitiaki Ngā Māunga Whakahii o Kaipara need to ensure the resources are managed and will be there for future generations.

Shona Oliver
Te Tari Taiao Unit.
Ngā Maunga Whakahii o Kaipara
businessservices@kaiparamoana.com
Phone: 09 420 8410

Rachael Clark

From: Simon Wang <Simon.Wang@ghd.com>
Sent: Friday, 16 September 2022 11:15 am
To: Rachael Clark; Sarah McCormick
Subject: FW: Brigham Creek Rd pipe thrust under Spark cable

Spark comms/engagement.

From: Ian Gavin <Ian.Gavin@spark.co.nz>
Sent: Friday, 16 September 2022 11:08 am
To: Simon Wang <Simon.Wang@ghd.com>
Cc: BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Ian MacClure <Ian.MacClure@spark.co.nz>; Mike McGrath <Mike.McGrath@spark.co.nz>
Subject: RE: Brigham Creek Rd pipe thrust under Spark cable

Simon

That is acceptable to us.

Regards

Ian Gavin

From: Simon Wang <Simon.Wang@ghd.com>
Sent: Friday, 16 September 2022 10:46 a.m.
To: Ian Gavin <Ian.Gavin@spark.co.nz>
Cc: BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Ian MacClure <Ian.MacClure@spark.co.nz>; Mike McGrath <Mike.McGrath@spark.co.nz>
Subject: RE: Brigham Creek Rd pipe thrust under Spark cable

Caution: This email originated outside of Spark's network. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hi Ian,

As the southern cross ducts are rather deep already (~2.5m), Watercare would prefer to limit the depth below the ducts that we need to go.

We will be in the order of 3.15m below the ducts (to top of casing). It is unlikely there will be any major deviation of the casing and we suggest 300 – 500mm exposed below the duct should be sufficient.

Is this acceptable to Spark? If OK, we will detail in our project specifications.

Thanks,
Simon

From: Ian Gavin <Ian.Gavin@spark.co.nz>
Sent: Thursday, 15 September 2022 12:11 pm
To: Simon Wang <Simon.Wang@ghd.com>
Cc: BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>; Ian MacClure <Ian.MacClure@spark.co.nz>; Mike McGrath <Mike.McGrath@spark.co.nz>
Subject: RE: Brigham Creek Rd pipe thrust under Spark cable

Simon

I have had a look for any notes on this meeting and I could not find anything.

However, the section highlighted below seems to be correct. However, it would be good if the trench, to be excavated with hydrovac, was deeper than the bottom of our ducts by one diameter of the casing. This will mean that we will be able confirm the clearance, without having a near miss.

Regards



Ian Gavin BE (Elect)
International Support Engineer
Spark New Zealand Trading Limited

T +64 9 357 7456 (extn 97456)
M +64 27 498 4861
E Ian.Gavin@spark.co.nz

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31 Airedale Street
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www.spark.co.nz

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From: Simon Wang <Simon.Wang@ghd.com>
Sent: Wednesday, 7 September 2022 11:55 a.m.
To: Ian Gavin <Ian.Gavin@spark.co.nz>
Cc: BDeVilliers (Byron) <Byron.DeVilliers@water.co.nz>; Charlie Schorr-Kon (FCC Infrastructure) <CharlieSc@fcc.co.nz>
Subject: RE: Brigham Creek Rd pipe thrust under Spark cable

Caution: This email originated outside of Spark's network. Do not open attachments or click links unless you recognize the sender and know the content is safe.

Hi Ian,

Trust you are well? You may recall meeting with the Watercare team last year to discuss a proposed wastewater pipeline crossing the Southern Cross Cable at 23-27 Brigham Creek Road. The project is now ready to tendered.

Our design and construction methodology complies with the Spark guidance document provided (attached). Unfortunately I can't find records of the outcomes of our meeting 7th December 2021.

From the project teams memory, we recall you requested the contractor to excavate a trench down to the depth of the cable and parallel to the cable on the side that the casing would be pushed from, and for the trench to be open while the trenchless operation was undertaken, so that Spark could make sure that the cable was going to be cleared when the casing went through.

Could you please confirm if this is the case, and whether there were any other requirements?

I have left you a missed call on your mobile also. Look forward to hearing from you.

Thanks,
Simon Wang | A GHD Associate

GHD

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L3, GHD Centre, 27 Napier Street, Freemans Bay, Auckland 1011, New Zealand

M +64 27 370 8361 E simon.wang@ghd.com

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-----Original Appointment-----

From: RBarry (Reginald) <Reginald.Barry@water.co.nz>

Sent: Wednesday, 1 December 2021 3:54 pm

To: Ian Gavin; Ian MacClure; Simon Wang; Charlie Schorr-Kon (FCC Infrastructure); Mike Harker (FCC Infrastructure)

Subject: Brigham Creek Rd pipe thrust under Spark cable

When: Tuesday, 7 December 2021 8:30 am-9:00 am (UTC+12:00) Auckland, Wellington.

Where: Microsoft Teams Meeting

Hi Ian G

We have now received the potholing results for the services opposite 23-27 Brigham Creek Rd and would like to discuss Spark's requirements for crossing the international fiber cables with pipe thrusting.

Hope this time works for you

Regards

Reg

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+64 9-886 8064,,410847865#](#) New Zealand, Auckland

Phone Conference ID: 410 847 865#

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Rachael Clark

From: Simon Wang <Simon.Wang@ghd.com>
Sent: Wednesday, 14 September 2022 3:26 pm
To: Rachael Clark; Sarah MacCormick
Cc: Charlie Schorr-Kon (FCC Infrastructure)
Subject: FW: EC-22-NCIP2-029 23-27 Brigham Creek Rd Whenuapai Design

From: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Sent: Thursday, 18 November 2021 9:15 am
To: ROBINSON Tertius <tertius.robinson@electrix.co.nz>
Cc: Vinita Ram <Vinita.Ram@vector.co.nz>; Simon Wang <simon.wang@ghd.com>; Kudoic, Marina <Marina.Kudoic@wsp.com>; Gardner, Mike <Mike.Gardner@wsp.com>
Subject: RE: EC-22-NCIP2-029 23-27 Brigham Creek Rd Whenuapai Design

Noted thank you Tertius

Reginald Barry | Senior Project Manager - Design Delivery

Watercare Services Limited
Mobile: +64 27 598 3097
Customer service line: +64 9 442 2222
Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand
Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand
Website: www.watercare.co.nz

From: ROBINSON Tertius <tertius.robinson@electrix.co.nz>
Sent: Thursday, 18 November 2021 9:04 am
To: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Cc: Vinita Ram <Vinita.Ram@vector.co.nz>
Subject: RE: EC-22-NCIP2-029 23-27 Brigham Creek Rd Whenuapai Design

CAUTION: External Email!

Hi Reginald,

It can be inside no issue as long as Vector FSP's can have 24 hr access for emergency works.

From my understanding this is something that is rather normal as the FSP's just have a key to the security fence, or a dual lock system (like 2 locks on a chain) that allow either party to open the fence by unlocking their respective locks.

Regards
Tertius

From: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Sent: Thursday, 18 November, 2021 8:07 AM
To: ROBINSON Tertius <tertius.robinson@electrix.co.nz>
Cc: Vinita Ram <Vinita.Ram@vector.co.nz>
Subject: RE: EC-22-NCIP2-029 23-27 Brigham Creek Rd Whenuapai Design

Hi Tertius

Thank you for this design. I'm running it past our design partners to see if they have any comments. Can you confirm that the transformer can be inside the pump station security fence? Or should it be outside. Your design drawings shows it inside the fenced area.

Regards
Reg

Reginald Barry | Senior Project Manager - Design Delivery

Watercare Services Limited

Mobile: +64 27 598 3097

Customer service line: +64 9 442 2222

Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand

Website: www.watercare.co.nz

From: ROBINSON Tertius <tertius.robinson@electrix.co.nz>
Sent: Tuesday, 16 November 2021 1:22 pm
To: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Cc: Vinita Ram <Vinita.Ram@vector.co.nz>
Subject: EC-22-NCIP2-029 23-27 Bringham Creek Rd Whenuapai Design

CAUTION: External Email!

Good day,

Please see attached proposed design for this project.

If you have any concerns or questions please feel free to contact me.

Regards
Tertius

Tertius Robinson | Design Estimator | Electrix Ltd

16 William Pickering, Albany, Auckland, 0632, New Zealand

Mob: +64 21 827 469 electrix.co.nz



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Rachael Clark

From: Simon Wang <Simon.Wang@ghd.com>
Sent: Wednesday, 14 September 2022 3:27 pm
To: Rachael Clark; Sarah MacCormick
Cc: Charlie Schorr-Kon (FCC Infrastructure)
Subject: FW: Vector - 1-4811508770, 23-27 Brigham Creek Rd Whenuapai

From: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Sent: Monday, 13 September 2021 9:56 am
To: vinita.ram@vector.co.nz
Cc: Simon Wang <Simon.Wang@ghd.com>
Subject: FW: Vector - 1-4811508770, 23-27 Brigham Creek Rd Whenuapai

Good day Vinita,

Thank you for supporting Watercare with this project. Please let me know when you are ready to discuss this project in more detail and don't hesitate to get in touch if you have any questions. Simon Wang (cc'ed from GHD) is the design team project manager. GHD/WSP is Watercare's design partner for this project.

Regards
Reg

Reginald Barry | Principal Engineer - Design Delivery

Watercare Services Limited
Mobile: +64 27 598 3097
Customer service line: +64 9 442 2222
Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand
Physical address: 73 Remuera Road, Remuera, Auckland 1050, New Zealand
Website: www.watercare.co.nz

From: customer.solutions@vector.co.nz <customer.solutions@vector.co.nz>
Sent: Friday, 10 September 2021 11:56 am
To: RBarry (Reginald) <Reginald.Barry@water.co.nz>
Subject: Vector - 1-4811508770, 23-27 Brigham Creek Rd Whenuapai

CAUTION: External Email!

Hi,

Thank you for your recent request regarding the works at the above address. This email is to let you know your project has been assigned to Vinita Ram who will be your contract advisor moving forward.

Vinita will be your main point of contact for any queries you may have and will be taking the project from design, price and payment through to build phase at which time we will hand over to the delivery team here at Vector to complete your project.

By now details of your project will have been passed to one of our design estimators who will be ready to begin working for you. You may have received a design fee invoice (if applicable), this will need to be paid before design commences.

Please find relevant contact details for your advisor below.

- Name: Vinita Ram
- Phone: 09 213 0262
- Mobile: 02 134 7597
- Email: vinita.ram@vector.co.nz

We look forward to working with you on this project.

Kind Regards

Vector Customer Excellence Team

creating a new energy future

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