

## Rachael Clark

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**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**

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**Customer service line:** +64 9 442 2222

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

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**Website:** [www.watercare.co.nz](http://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

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**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

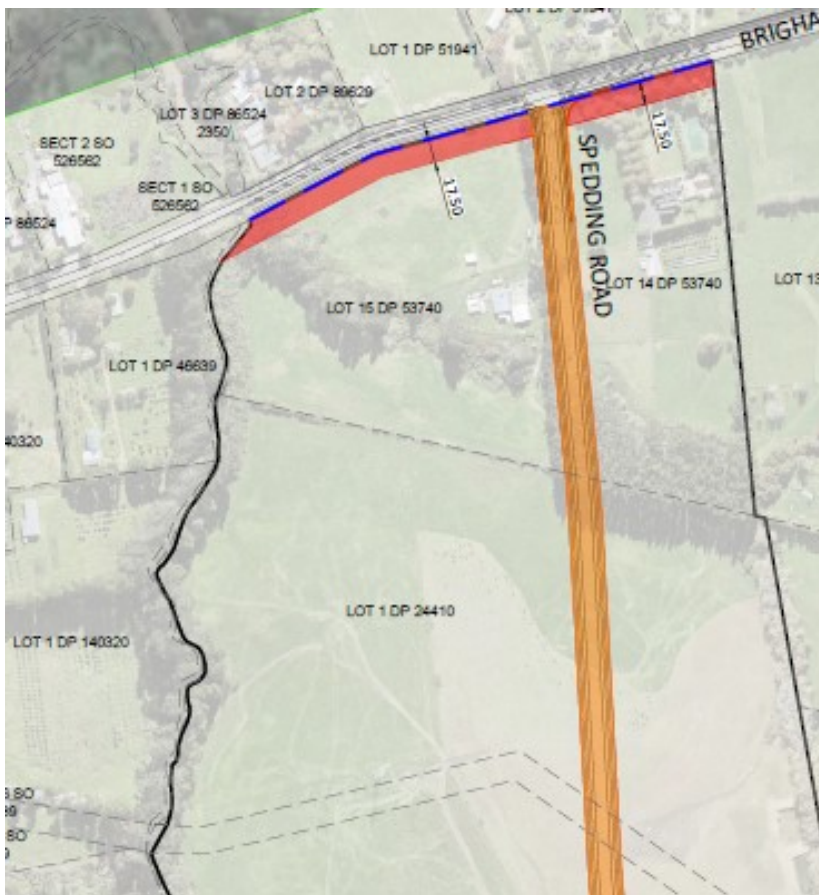
Some people who received this message don't often get email from katherine.dorofaeff@at.govt.nz. [Learn why this is important](#)

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



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**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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---

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

**Sent:** Thursday, 27 January 2022 8:42 am

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

**Cc:** Sarah MacCormick <[Sarah.MacCormick@beca.com](mailto:Sarah.MacCormick@beca.com)>; Rachael Clark <[Rachael.Clark@beca.com](mailto:Rachael.Clark@beca.com)>

**Subject:** Whenuapai Wastewater Scheme – package 1 works

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

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## Rachael Clark

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**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.

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**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.

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**From:** Simon Wang  
**Sent:** Thursday, March 3, 2022 2:52 PM  
**To:** BDeVilliers (Byron) <[Byron.DeVilliers@water.co.nz](mailto:Byron.DeVilliers@water.co.nz)>; KDavisMiller (Keri) <[Keri.Davis-Miller@water.co.nz](mailto:Keri.Davis-Miller@water.co.nz)>; Tony Cain <[tony.cain@aucklandcouncil.govt.nz](mailto:tony.cain@aucklandcouncil.govt.nz)>; Charlie Schorr-Kon (FCC Infrastructure) <[CharlieSc@fcc.co.nz](mailto:CharlieSc@fcc.co.nz)>; Mike Harker (FCC Infrastructure) <[mikehar@fcc.co.nz](mailto:mikehar@fcc.co.nz)>; Philip Houghton <[Philip.Houghton@ghd.com](mailto:Philip.Houghton@ghd.com)>; [danny.curtis@aucklandcouncil.govt.nz](mailto:danny.curtis@aucklandcouncil.govt.nz); [Frances.Ting@aucklandcouncil.govt.nz](mailto: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,

Simon

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**From:** Tony Cain <[tony.cain@aucklandcouncil.govt.nz](mailto:tony.cain@aucklandcouncil.govt.nz)>

**Sent:** Friday, 25 February 2022 1:57 pm

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

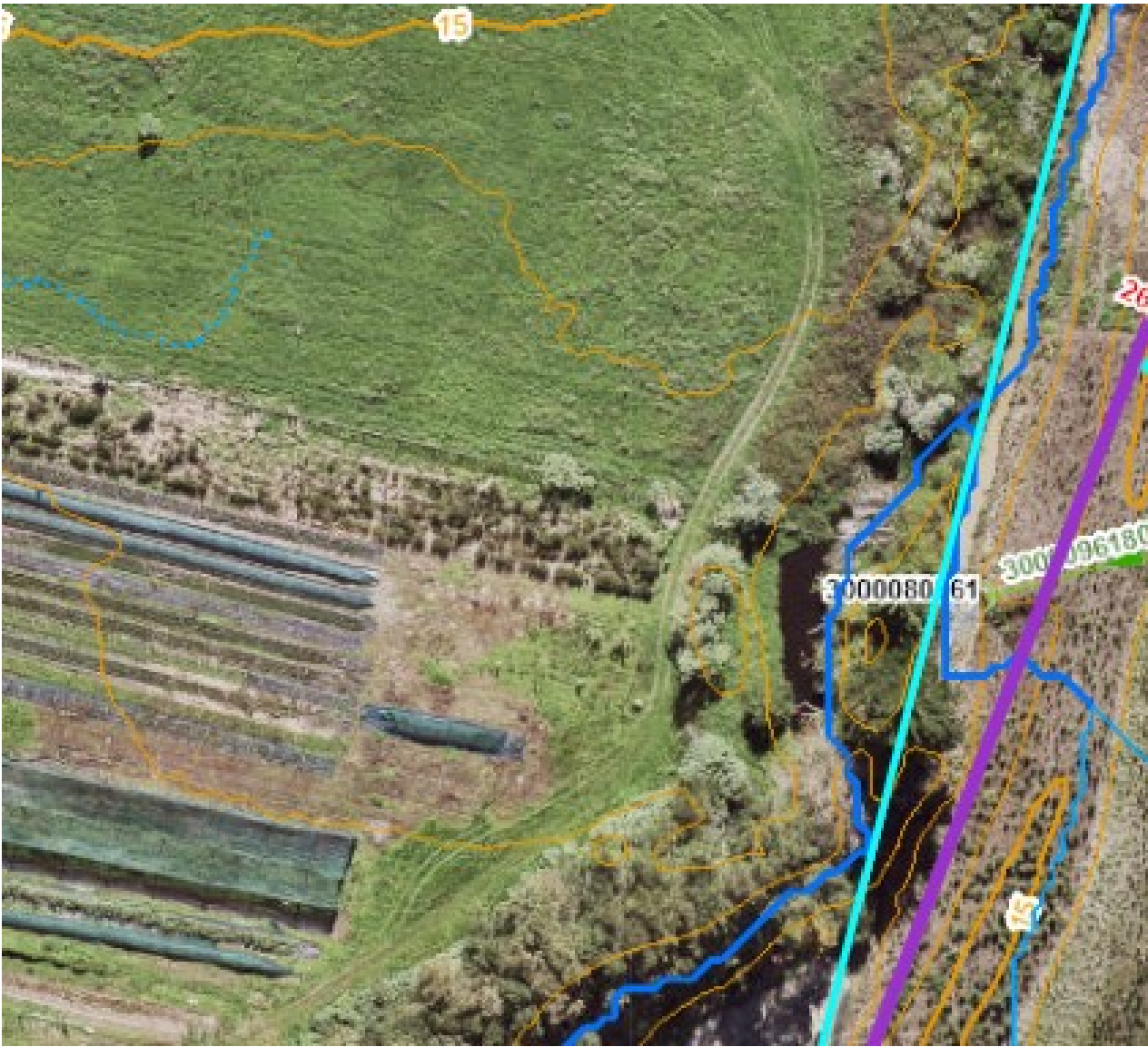
- be an issue with maintaining self-cleansing velocities in the Wastewater pipe;
- be a possible clash with the 1350 diameter pond inlet;
- be additional construction costs.

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

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Visit our website: [www.aucklandcouncil.govt.nz](http://www.aucklandcouncil.govt.nz)

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

**Sent:** Wednesday, 23 February 2022 10:12 AM

**To:** Tony Cain <[tony.cain@aucklandcouncil.govt.nz](mailto: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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**From:** KDavisMiller (Keri)

**Sent:** Wednesday, 9 February 2022 1:03 pm

**To:** Frances Ting <[Frances.Ting@aucklandcouncil.govt.nz](mailto:Frances.Ting@aucklandcouncil.govt.nz)>

**Cc:** Frances Ting <[Frances.Ting@aucklandcouncil.govt.nz](mailto:Frances.Ting@aucklandcouncil.govt.nz)>; Tony Cain <[tony.cain@aucklandcouncil.govt.nz](mailto:tony.cain@aucklandcouncil.govt.nz)>; Danny Curtis <[danny.curtis@aucklandcouncil.govt.nz](mailto: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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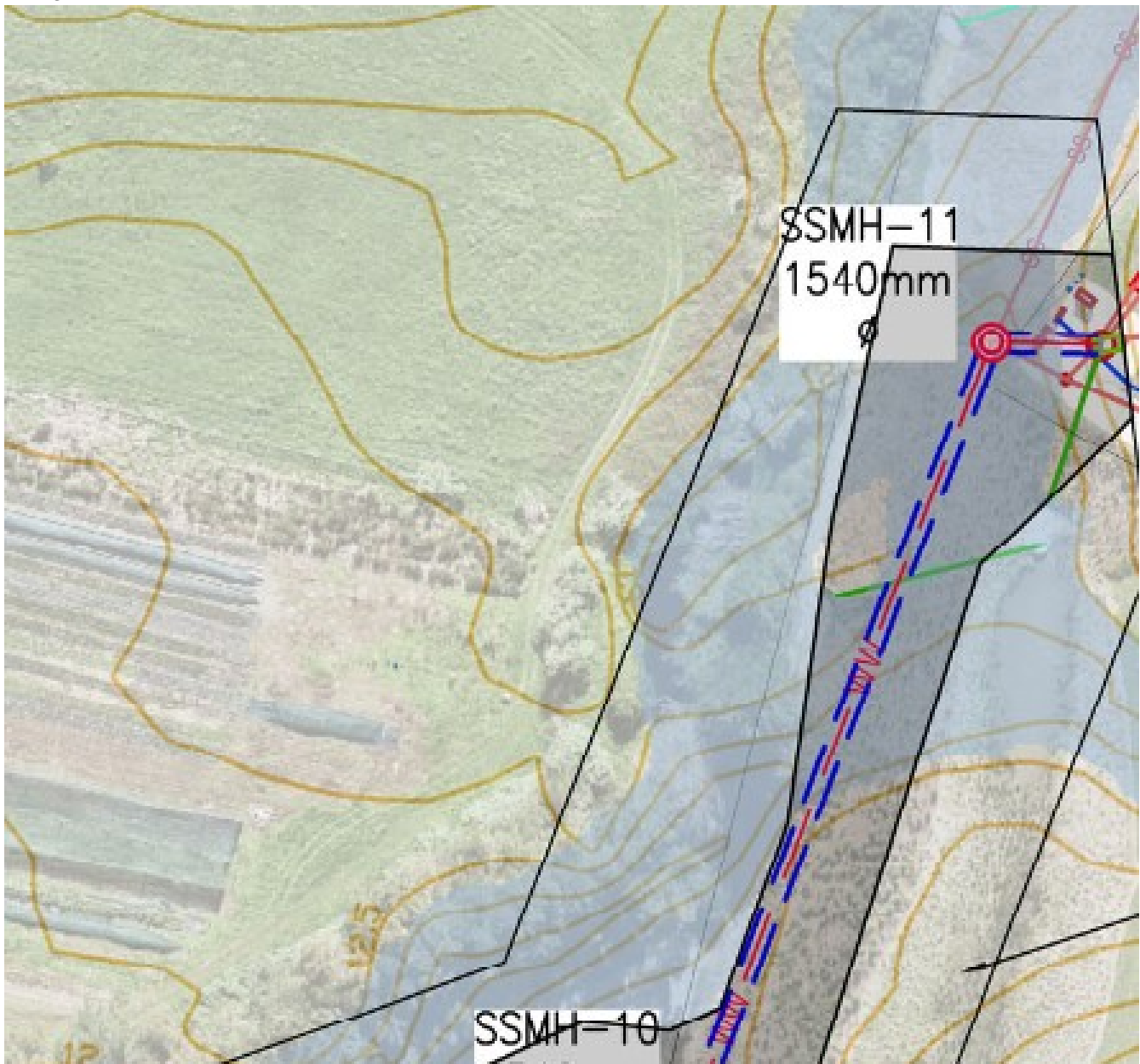
Postal address: Private Bag 92 521, Victoria Street West, Auckland 1142, New Zealand

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

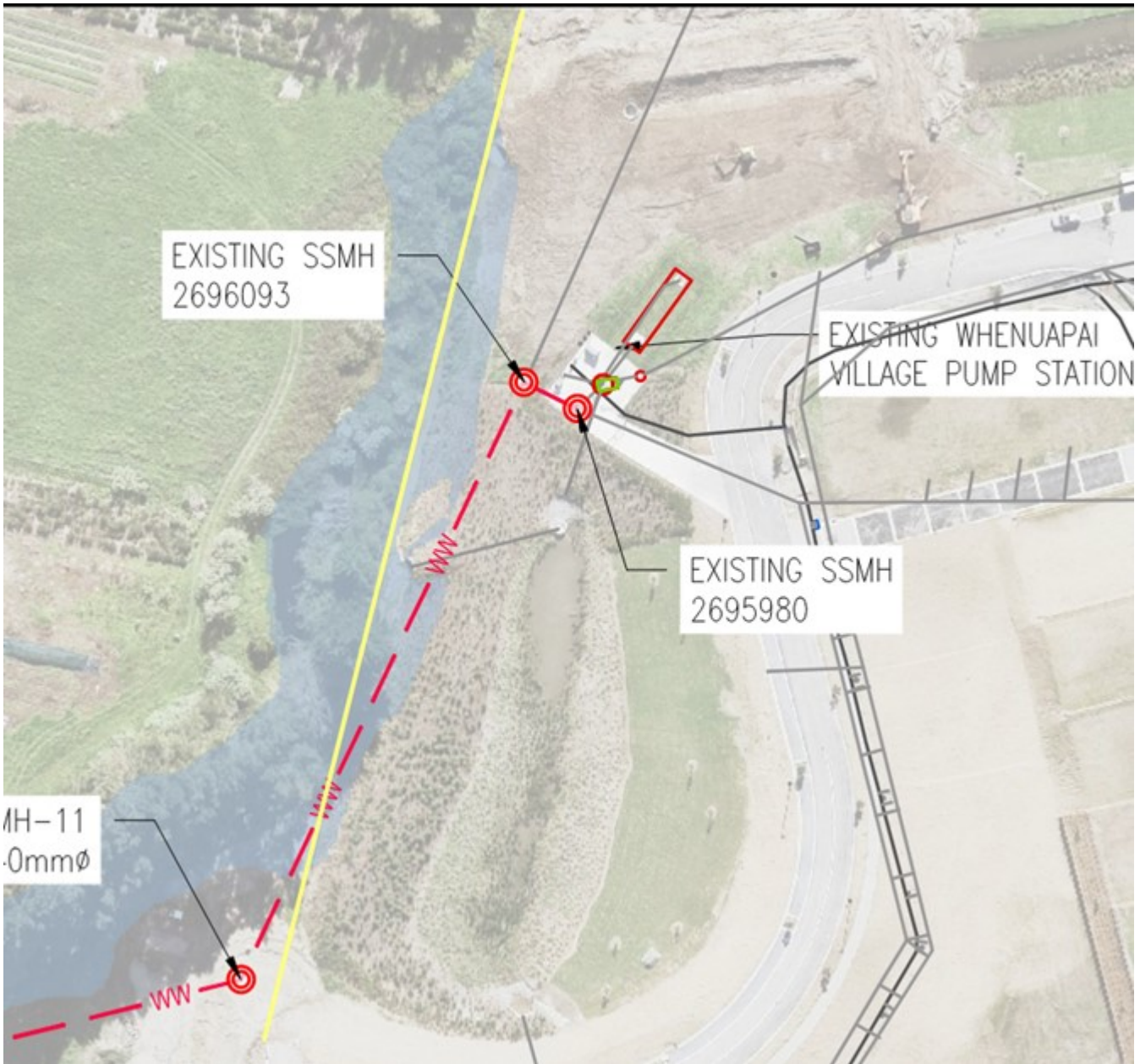
Website: [www.watercare.co.nz](http://www.watercare.co.nz)

*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.*

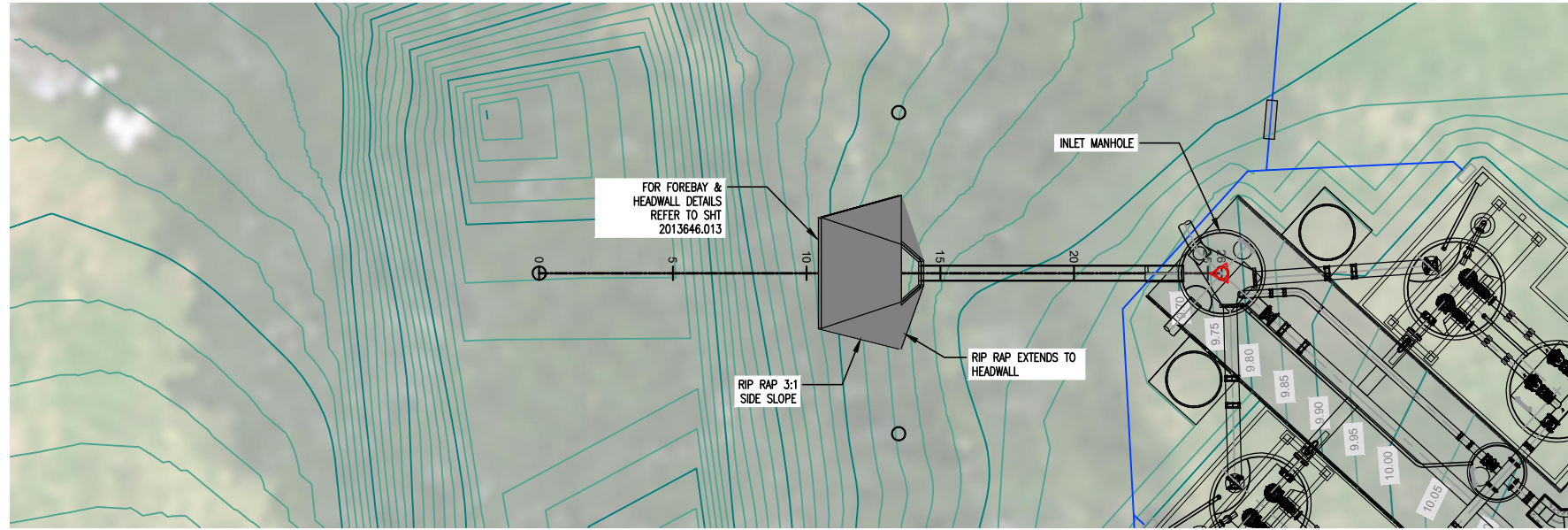
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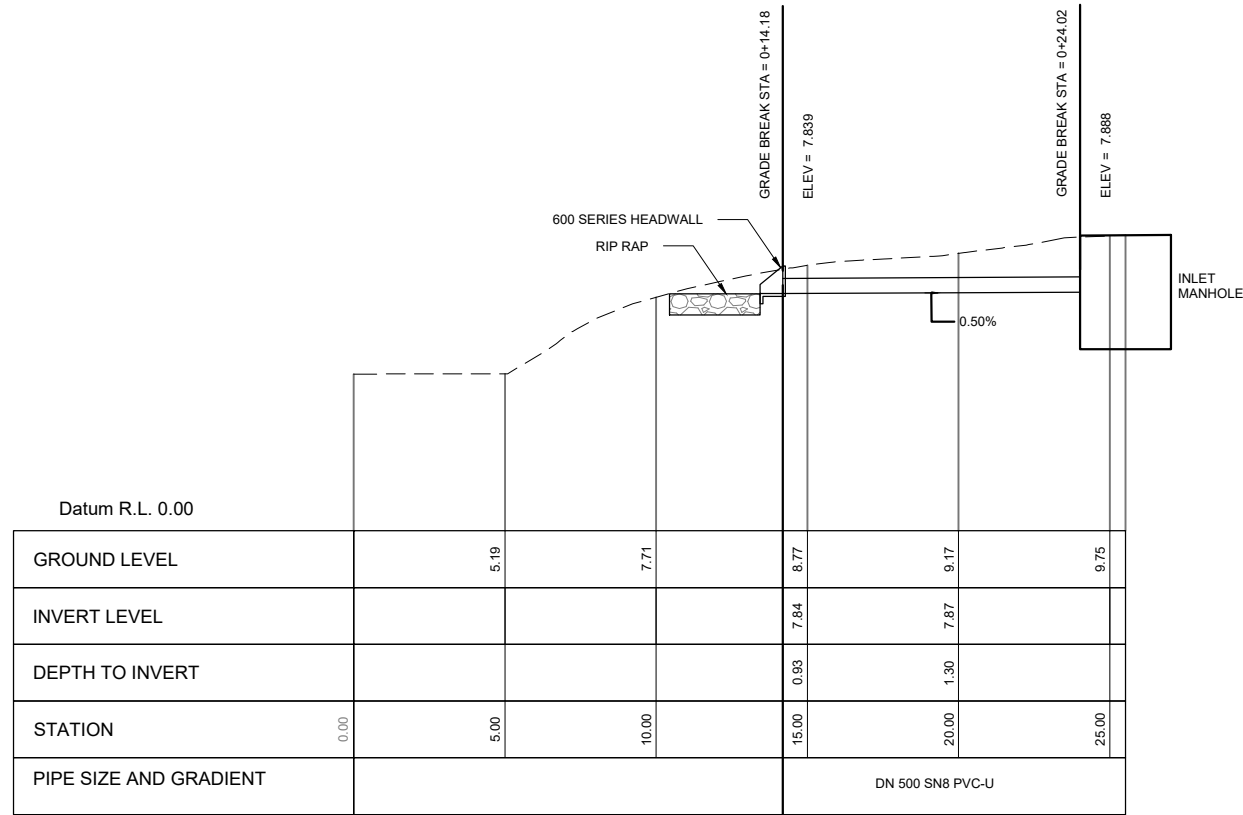
**AFTER:**



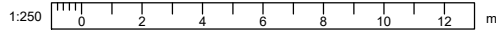
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PLAN  
SCALE: 1:250



EMERGENCY OVERFLOW LONGITUDINAL SECTION  
SCALE: 1:250



**DETAILED DESIGN**  
NOT FOR CONSTRUCTION

ISSUE	DATE	AMENDMENT	BY	APPD.
1	01-22	DETAILED DESIGN ISSUE	SA	WC

DESIGNED	SA	11-21
DES. APPROVED	RG	11-21
DRAWN	SA	11-21
DWG. APPROVED	WC	11-21
WSL DESIGN MGMT.	RB	11-21
WSL PROJ. LEAD	RB	11-21

**Watercare**  
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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