

From: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Sent: Friday, 29 October 2021 8:39 am
To: Dwayne McKay
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Hi Dwayne

As discussed

We/I have reviewed and provided feedback on the proposed earthworks and construction for the Irrigation scheme. So long as works stay as proposed and no closer than [2.5m + any other requirements] away from existing horizons structures and vehicle access is maintained to the structure we have no issue with the proposal.

Regards

Trevor McLellan
Streetlighting Team Manager & Senior Design Specialist



11G Te Tahi Street, Whakatane 3120
PO Box 661, Whakatane 3158
T 07 306 2954 M 021 683 149 www.horizonnetworks.nz

A member of the Horizon Energy Group

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From: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Sent: Friday, 29 October 2021 8:31 AM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

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Morena Trevor

Thank you for the forwarding the correspondence.

The language in the emails is not going to be easily interpreted by the Consents Team at council.

They are looking for wording that states something similar to the following:

We/I have reviewed and provided feedback on the proposed earthworks and construction for the Irrigation scheme. So long as works stay as proposed and no closer than [XX m + any other requirements] away from existing horizons structures we have no issue with the proposal.



Dwayne McKay

Mobile: 027 6142646

Email: Dwayne.mckay@thorntonenvironmental.co.nz

From: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Sent: Tuesday, 26 October 2021 7:41 am
To: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Hi Dwayne

Attached is and email referencing the access to the pole.

Regards

Trevor McLellan
Streetlighting Team Manager & Senior Design Specialist



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From: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Sent: Friday, 22 October 2021 7:36 AM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

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Morning Trevor

Are you able to provide something in writing that I can forward to Opotiki District Council that stipulates your requirements and if you/horizons have any concerns or not?

Nga mihi
Dwayne



Dwayne McKay

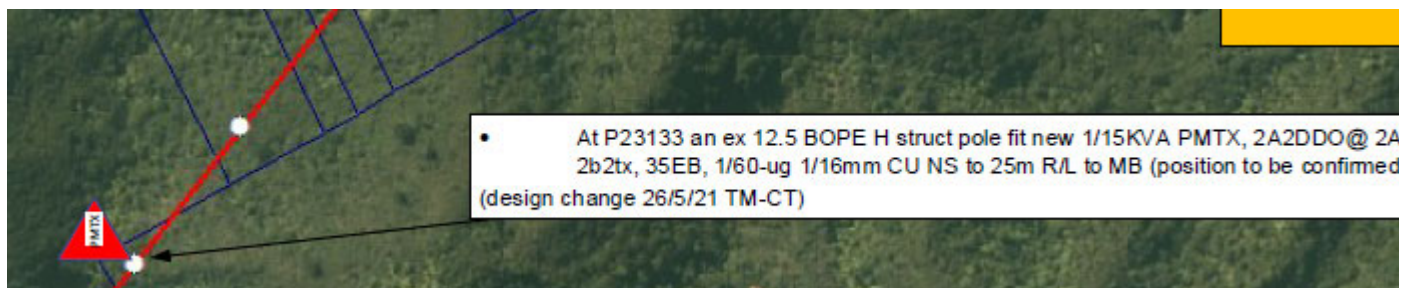
Mobile: 027 6142646

Email: Dwayne.mckay@thorntonenvironmental.co.nz

From: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Sent: Tuesday, 19 October 2021 12:57 pm
To: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Hi Dwayne

We had some correspondence re the access way close to P23133 and retaining access to the site for the PMTX and this has been clarified.



Regards

Trevor McLellan
Streetlighting Team Manager & Senior Design Specialist



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From: Trevor McLellan
Sent: Tuesday, 19 October 2021 11:49 AM
To: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Hi Dwayne

GMTX needs to be placed between access track & river edge footprint for the GMTX is 2.4m X 1.6 as a level site with support trenches in and out.

No other work is planned and the GMTX position has not been confirmed.

Regards

Trevor McLellan

Streetlighting Team Manager & Senior Design Specialist



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From: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Sent: Thursday, 14 October 2021 12:41 PM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: FW: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

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Afternoon Trevor

Following lodgement of the consent application for this project, ODC are asking if Horizons have any set back requirements in relation to earthworks, etc.

Are you able to comment from what Jeff has previously told/shared with you?

Many thanks
Dwayne



Dwayne McKay

Mobile: 0276142646

Email: Dwayne.mckay@thorntonenvironmental.co.nz

From: Chris Todd <christodd@tldc.co.nz>
Sent: Thursday, 14 October 2021 12:25 pm
To: Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Subject: FW: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Chris Todd
DIRECTOR, TAUPO – CENTRAL NORTH ISLAND

Todd Land Development Consultants Ltd



Mobile +64 21 353 218
Address 10 Gascoigne Street, Taupo, New Zealand 3330
Email christodd@tldc.co.nz

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From: Jeff Enkevort <dpms.jeff@gmail.com>
Sent: Friday, May 7, 2021 2:29 PM
To: Chris Todd <christodd@tldc.co.nz>; Ray O'Callaghan (ray@ocallaghandesign.nz) <ray@ocallaghandesign.nz>;
Dwayne McKay <dwayne.mckay@thorntonenvironmental.co.nz>
Subject: Fwd: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021

Good afternoon

Please find the attached response from Horizon Energy. Dwayne will this be sufficient for your requirements? In relation to the main pump station site an existing 11 KV O/head supply is being utilized with a new U//ground 11KV service from existing pole to new pump station yard please find attached.

regards

Jeff

----- Forwarded message -----

From: **Trevor McLellan** <trevor.mclellan@horizonnetworks.nz>
Date: Fri, 7 May 2021 at 13:59
Subject: RE: C025542 NC1-Kereu Irrigation Scheme- site works response 07/5/2021
To: Jeff Enkevort <dpms.jeff@gmail.com>

Hi Jeff

We have reviewed the proposed works and as per below.

Thanks

Trevor McLellan
Streetlighting Team Manager & Senior Design Specialist



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From: Jeff Enckevort <dpms.jeff@gmail.com>
Sent: Friday, 30 April 2021 7:31 AM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: Re: C025542 NC1-Kereu Irrigation Scheme- Te Kaha future load confirmation

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Good morning Trevor

As per our phone conversation please find attached. As part of the consent application to ODC we require acknowledgement from Horizon Energy that they are happy and have no issues.

A couple of points

1) The reservoir access road will pass under the 11kv line at a much lower level than the current eastern double pole structure and safe working distance can be easily maintained. Conductor line is well up in the crossing location. This will be identified in H&S and in addition in dialog with Horizon on any additional requirements. **We see no risk of**

the access road under the line and as per the site plan the embankment for the road needs to ensure access to exiting poles site is not impeded and will allow access to the pole site for a vehicle as this will have the PMTX for the local service.

2) The new road access will give Horizon Energy access to both the eastern and western double pole structures. (may need to tidy a small section of the old access road) this will be done to enable a new reservoir transformer to be erected western structure and eastern structure.

3) Single span 16.00 mm1core N/screen for Reservoir LV supply 20 approx metres ok with this. **Yes but would recommend it is u/g rather than overhead**

Any concerns please get back to ASAP and ask if this can be done with some urgency.

Regards

Jeff

On Thu, 3 Sept 2020 at 07:41, Trevor McLellan <trevor.mclellan@horizonnetworks.nz> wrote:

Hi Jeff

Sorted

Thanks

Trevor McLellan
Streetlighting Team Manager & Senior Design Specialist



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From: Jeff Enckevort <dpms.jeff@gmail.com>
Sent: Wednesday, 2 September 2020 9:03 PM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: Re: C025542 NC1-Kereu Irrigation Scheme- Te Kaha future load confirmation

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Good evening Trevor

Apologies here but no can do on the 1.5 year term. The time frame for the Scheme to go to full capacity will be years subject to development on the coast and may go well beyond 5 years. Can only suggest the Scheme runs with 300KVA and should the time come where further capacity is required this can be worked through at this point of time. The Scheme is still in the design concept phase so loadings can still change.

Kind regards

Jeff

On Wed, 2 Sep 2020 at 10:42, Trevor McLellan <trevor.mclellan@horizonnetworks.nz> wrote:

Hi Jeff

We need a written confirmation from customer that they will go to 500KVA capacity in 1.5 Years' time so that Network can fund 500kVA now. HEDL advise if they have written commitment from customer then they are happy to fund the 500kVA Tx now and fuse at 520A

Can you sort this for us please.

Thanks

Trevor McLellan

Streetlighting Team Manager & Senior Design Specialist



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From: Jeff Enckevort <dpms.jeff@gmail.com>
Sent: Wednesday, 19 August 2020 3:57 PM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: Re: C025542 NC1-Kereu Irrigation Scheme- Te Kaha Load & NC1 Review

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Thank you Trevor

Cheers

Jeff

On Wed, 19 Aug 2020 at 11:23, Trevor McLellan <trevor.mclellan@horizonnetworks.nz> wrote:

Hi Jeff

Reviewed with Gurjeet and include and over view of the IDC fees required.

For HN to place the 500Kva up front we will need some written reference if the upgrade to the proposed load doesn't go ahead we would need to recover cost to reduce the GMTX size. This will be referenced in the Quote.

Will redraft NC1 for you to review.

Any questions please contact me.

Regards

Trevor McLellan

Streetlighting Team Manager & Senior Design Specialist



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From: Jeff Enkevort <dpms.jeff@gmail.com>

Sent: Tuesday, 18 August 2020 9:27 AM

To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>

Subject: Re: C025542 NC1-Kereu Irrigation Scheme-Te Kaha Review

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Hi Trevor.

Can you just confirm the calc done is correct! Line to N volts selected but voltage shown as 400?

cheers

Jeff

On Tue, 18 Aug 2020 at 07:22, Trevor McLellan <trevor.mclellan@horizonnetworks.nz> wrote:

Hi Jeff

Please review I just need to ensure we are on the right path.

Pump Name	KW	Volts		KW Stage 1A	KW Stage 1B	kVA	amps
High Head 1	130	400		130			
High Head 2	130	400		130			
High Head 3	130	400	Not used - No Stage 1		130		
Low Head 1	18	400		18			
Low Head 2	18	400		18			
Low Head 3	18	400	Not used - No Stage 1		18		
A Compressor 1	2.2	400		2.2			
A Compressor 2	2.2	400		2.2			
Hyd Pack Controller 1							
Pump 1	12.2	400		12.2			
Pump 2	2	400		2			
Gas Pump	12.2	400		12.2			
				342.4		550	500
					490.4	822	427

Enter phase #

Enter kilovolt-amps: kVA

Select voltage type:

Enter volts: V

Result in amps: A

Enter kilowatts: kW

Enter power factor:

Result in kilovolt-amps: kVA

Enter kilowatts: kW

Enter power factor:

Result in kilovolt-amps: kVA

Enter phase #

Enter kilovolt-amps: kVA

Select voltage type:

Enter volts: V

Result in amps: A

1/60A @ P23156 not referenced above.

Jeff do you require an estimate or a quote for funding.

Thanks

Trevor McLellan

Streetlighting Team Manager & Senior Design Specialist



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From: Jeff Enckevort <dpms.jeff@gmail.com>
Sent: Monday, 17 August 2020 12:02 PM
To: Trevor McLellan <trevor.mclellan@horizonnetworks.nz>
Subject: Re: C025542 NC1-Kereu Irrigation Scheme-Te Kaha Review

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Good morning Trevor

All ok with attached. I also should have mentioned in stage 2 there will be a booster pump set up to be installed in close proximity to the Horizon Switchyard area but can give no further details here other than the pump set will be around 45KW.

Regards

Jeff .

On Fri, 14 Aug 2020 at 14:51, Trevor McLellan <trevor.mclellan@horizonnetworks.nz> wrote:

Hi Jeff

As discussed draft email for the proposed works

Please review and make any comments prior to me costing the works.

Thanks

Trevor McLellan

Streetlighting Team Manager & Senior Design Specialist

Horizon Networks

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Site Plan-C025542 design draft

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