

31 August 2018

Copy to P18025

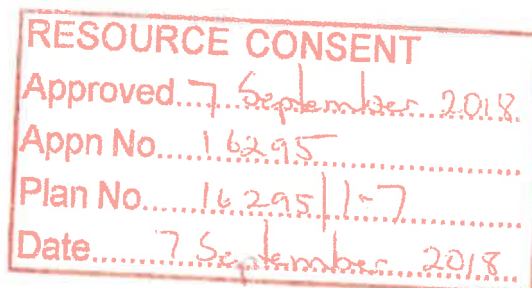
**ROTORUA**  
LAKES COUNCIL  
Te Kaunihera o nga roto o Rotorua

Please Quote: 6218120  
Doc Ref: RDC-859260  
Enquiries to: Karla Putt

Civic Centre  
1061 Haupapa Street  
Private Bag 3029  
Rotorua Mail Centre  
Rotorua 3046  
New Zealand

HUMES PIPELINE SYSTEMS  
C/- DAVE CASEY  
73 DUKE STREET  
FRANKTON  
HAMILTON 3242

Attn: Dave Casey



Dear Sir,

**NOTICE OF RESOURCE CONSENT DECISION**

Consent no:	RC16295
Property file no:	P18025
Applicant:	MR GRAEME HATHAWAY
Type of application:	LAND USE CONSENT -DISCRETIONARY
Proposal:	REPLACE EXITSING WASHED OUT BRIDGE WITH NEW BRIDGE
Site address:	2739 STATE HIGHWAY 5, WAIOTAPU
Legal description:	LOT 2 DP504310

I wish to advise that the following decision has been made under authority delegated to staff in respect of the above application:

- (a) Pursuant to Section 95A of the Resource Management Act 1991, the Rotorua District Council has decided in its discretion not to publicly notify the application. Council is satisfied after due consideration of Section 95D that the adverse effects on the wider environment will be or are likely to be no more than minor. Council is also satisfied that no special circumstances exist that require notification of the consent application in accordance with Section 95A(4).
- (b) The Council has decided after taking into due consideration the requirements of Sections 95B and 95E of the Resource Management Act 1991 that the adverse effects of the activity on the owners and occupiers of adjacent land are less than minor and no persons are considered affected and therefore limited notification is not required.
- (c) Pursuant to Sections 34A, 104, 104B and 108 of the Resource Management Act 1991, the Rotorua District Council resolves to GRANT consent subject to the following conditions:

**CONDITIONS OF CONSENT:**

- 1. The proposal shall proceed in accordance with the application submitted by MR GRAEME HATHAWAY numbered RC16295 and approved plans RC16295/1 to 7 by Council except where modified by any conditions of this consent.

2. The proposed bridge structure shall be positioned and constructed in the same location as the former bridge to minimise earthworks and vegetation disturbance. See Advice Notes below.

#### **Engineering**

3. That all engineering works required to be undertaken to satisfy the conditions of this consent shall be carried out in accordance with the Rotorua Civil Engineering Industry Standard (RCEIS) and the District Plan, to the satisfaction of the General Manager Infrastructure, Rotorua District Council or their delegate.

#### **Sediment and erosion control**

4. That in carrying out the proposed works no run off, silt, sediment, dust or other materials shall be permitted to discharge off-site that could damage or disturb neighboring properties, public roads, drains or waterways. This shall be achieved by installing and maintaining appropriate erosion, sediment and dust controls (in accordance with the Waikato Regional Council Sediment and Erosion Control Guidelines) prior to and during the works until the site is stabilised to the satisfaction of the General Manager Infrastructure, Rotorua District Council or their delegate.

#### **REASONS FOR COUNCIL DECISION:**

1. **Principal Issues - Earthworks within 25 metres of a waterbody can have potential impact on riparian vegetation, water quality and visual amenity.**
2. **Main Findings of Fact - The proposal is to replace a bridge linking Pt Paeroa East 4B1B1 with 2739 State Highway 5, legally described as Lot 2 DP504310. The previous bridge located at the same site was washed out during the April 2018 storm event. The proposal seeks to erect a single span concrete bridge of 18.0m length with abutments. The structure provides access to 2739 State Highway 5. The land in the vicinity of this proposal is zoned Rural 1 and Water 1 under the Operative District Plan.**

**The bridge is required for vehicles to gain access to the subject site for general farming purposes as the original access was destroyed in a storm event. The proposed activity will require earthworks within 25 metres of a waterbody and disturbance of riparian vegetation. In accordance with the Operative Rotorua District Plan the proposed activity is a Discretionary Activity.**

3. **The site is zoned Rural 1 and Water 1 in the Operative Rotorua District Plan where riparian disturbance, earthworks within 25.0m of a water body identified for esplanade reserve acquisition, and earthworks unable to comply with the performance standards of Appendix 10 are a DISCRETIONARY ACTIVITY.**
4. **The proposal is considered to be consistent with Part II of the Resource Management Act 1991.**
5. **The Council has had regard to the provisions of the Operative Rotorua District Plan and in particular to Part 9 - Rural, Part 10 - Reserves, Community Assets and Water, and Appendix 10 – Earthworks. The proposal is consistent with the relevant objectives and**

**policies of Part 9 – Rural and Part 10 – Reserves, Community Assets and Water of the Operative Rotorua District Plan subject to compliance with the conditions of consent.**

- 6. The Council is satisfied that the proposed activity will not have, or is unlikely to have, any adverse effects that are more than minor.**
- 7. Consultation with affected parties has been undertaken and no additional persons are considered to be adversely affected by the proposal.**
- 8. The Crown administrator of Pt Paeroa East 4B1B1 (the land located between SH 5 and 2739 SH 5), Land Information New Zealand, has been consulted and provided approval to the proposal.**
- 9. The Department of Conservation and Fish and Game NZ have been consulted and have provided approval to the proposal.**
- 10. The applicant has applied for resource consent from the Waikato Regional Council for earthworks and to place a structure over a waterbody being the Waiotapu Stream.**
- 11. Conditions have been imposed in order to mitigate the adverse effects of the proposal such that they are no more than minor.**
- 12. No services are required.**

The applicants are advised that:

- (a) Timeframe for Giving Effect to this Consent  
The above consent lapses on the expiry of 5 years after the date of receiving this letter, unless the consent is given effect to.
- (b) Right of Objection  
If you are dissatisfied with any aspect of the decision, you have a right of objection to Council under section 357A of the Resource Management Act 1991. Please advise Council in writing stating the reasons for the objection and the preferred outcome within 15 working days of receiving this decision. If no objection is received it will be assumed that the applicant accepts this decision. In addition, there is a right of appeal to the Environment Court under section 120 of the Resource Management Act 1991.
- (c) Obligations under the Heritage New Zealand Pouhere Taonga Act 2014  
Council has no records of an archaeological site on this property. This may be due to one of two factors. Either, there are no sites present or there has not been an archaeological survey undertaken. Please be advised that both known and unknown archaeological sites are protected under the Heritage New Zealand Pouhere Taonga Act 2014. If during the exercising of this consent any archaeological site is uncovered work must stop and permission be obtained from Heritage New Zealand under section 44 of the Heritage New Zealand Pouhere Taonga Act 2014.
- (d) Landowner Approval  
The Crown administrator of Pt Paeroa East 4B1B1 (the land located between SH 5 and 2739 SH 5), Land Information New Zealand, has advised that an easement will be required for on-going access and structure occupation of Pt Paeroa East 4B1B1. Further discussions with Land Information New Zealand, Wellington, and their property managers Colliers NZ Ltd is advised.

(e) Indigenous Vegetation

The Department of Conservation have advised *'that site has rare geothermal prostrate kanuka all around it on both sides of stream so very significant vegetation so you would ideally want to be using same existing bridge footprint and ensuring contractors were not clearing additional vegetation for access during bridge construction'*. Further information regarding the prostrate kanuka vegetation may be obtained directly from the Department of Conservation, Rotorua.

(f) Works within the road reserve

Prior to any works being undertaken within the road reserve (including vehicle crossings) a Corridor Access Request must be lodged with Council and a Works Access Permit issued. This is available free of charge by going online to the website [www.beforeudig.co.nz](http://www.beforeudig.co.nz) or by contacting Council's Corridor Access Administrator on 07 351 8201.

(g) Stormwater collection & disposal

All stormwater intercepted on the works site for the proposed bridge works is to be collected in such a manner that it does not cause erosion or sedimentation and disposed of within the property boundary and not directly to the stream. A sediment filtration system must be used before discharge.

(h) Waikato Regional Council (WRC) Consent

That all conditions detailed by WRC for the construction of the new private bridge must be followed and complied with and a copy of the certified Construction Management Plan (CMP) is to be available on site throughout the construction of the bridge and approaches and produced upon request.

Please contact Donna Jones (Contract Consents Officer) at the Waikato Regional Council (WRC) for any queries regarding earthworks consent matters.

(i) Stream water clearance to underside of the bridge beam

That the new private bridge shall be constructed to provide a minimum of 0.5m clearance above the natural stream bank level for the Waitapu Stream at this location to the underside of the lowest element (Double Tee/beam) of the bridge structure as set by the Waikato Regional Council.

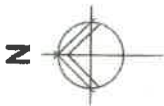
If you have any questions regarding this decision, please contact **Karla Putt**, or the duty planner.

Yours faithfully



Karla Putt  
Consultant Planner

On behalf of  
Simon Bell, Team Lead Planning,  
Planning & Development Solutions

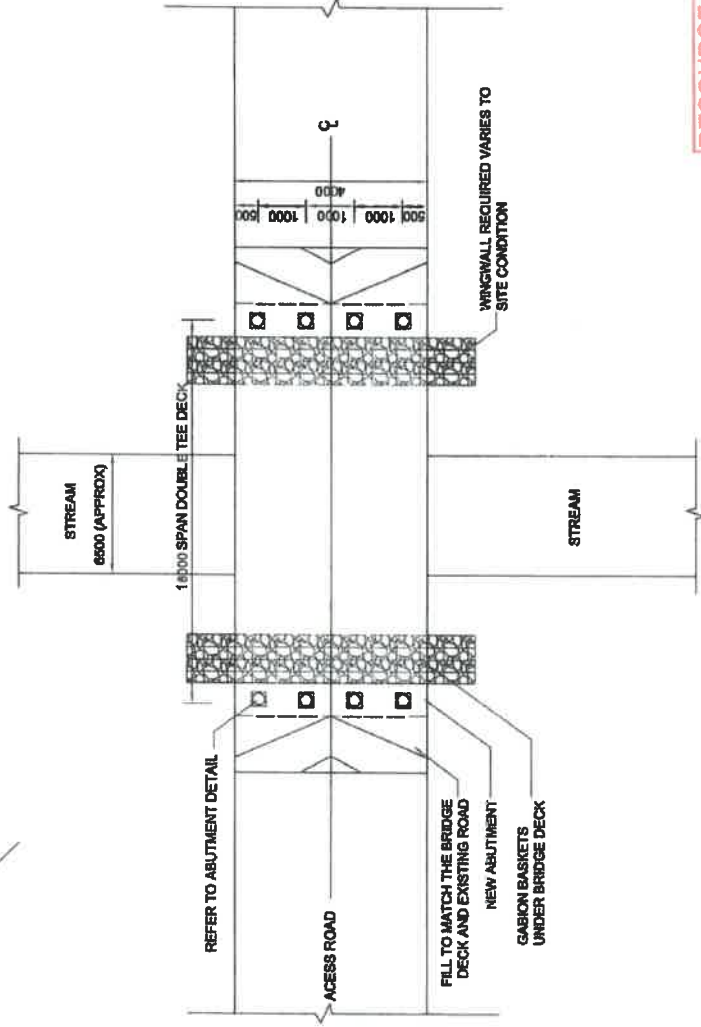
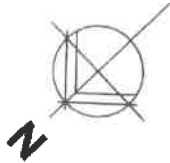


NOTES:

1. IMAGE RETRIEVED FROM GOOGLE MAP AT 02/05/2018

**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appn No: RC16295  
 Plan No: RC16295/1  
 Date: 7/9/18

<p><b>PHOENIX</b> Consulting Engineers Ltd</p> <p>22 Melrose Sutherland Drive Cambridge 07 690 3555 info@pca.net.nz</p>	<p><b>SUBJECT:</b> 2739 STATE HIGHWAY 5, WAIOTAPU</p> <p><b>TITLE:</b> SITE LOCATION</p>	<p><b>PROJECT:</b> 180292.01-DWG-002</p> <p><b>CLIENT:</b> Graham Hathaway</p>	<p><b>Scale (Original is A3):</b> NOT TO SCALE</p>	<p><b>Rev</b> A</p>	<p><b>Description</b> Issued for consent</p>	<p><b>Drawn</b> YH</p>	<p><b>Date</b> 31-May</p>	<p><b>Drawn</b> YH</p>	<p><b>Date</b> 31-May</p>
									<p><b>Drawn</b> Checked Approved</p>



**TYPICAL LAYOUT**

**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appn No. RC16205  
 Plan No. RC16205/2  
 Date: 7/9/18

**Notes:**

- SITE LOCATION TO BE CONFIRMED ON SITE
- ALL DIMENSION IN mm, DO NOT SCALE THE DRAWING, USE STATED DIMENSION ONLY
- CONTRACTOR TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK

<p><b>Site:</b> 2739 STATE HIGHWAY 5, WAIOTAPU</p> <p><b>Drawn:</b> 180292.01-DWG-003</p> <p><b>Scale:</b> 1:500</p> <p><b>Scale (Contract #/S1):</b> NOT TO SCALE</p> <p><b>Client:</b> Graham Hathaway</p> <p><b>Date:</b> 31/05/2018</p>	<p><b>Drawn:</b> YH</p> <p><b>Date:</b> 31-May</p> <p><b>Description:</b> Issued for comment</p> <p><b>Rev:</b> A</p>	Drawn	Date	YH	31-May
		PLAN LAYOUT	YH	YH	YH
<p><b>22 Melton Segeoth Drive</b>  <b>Cambridge</b>  <b>07 560 3636</b>  <b>info@pce.co.nz</b></p>		<p><b>Phoenix</b>  <b>Consulting Engineers Ltd</b></p>		<p><b>Drawn:</b> YH</p> <p><b>Checked:</b> YH</p> <p><b>Approved:</b> SIN</p>	<p><b>YH</b></p> <p><b>YH</b></p> <p><b>SIN</b></p>

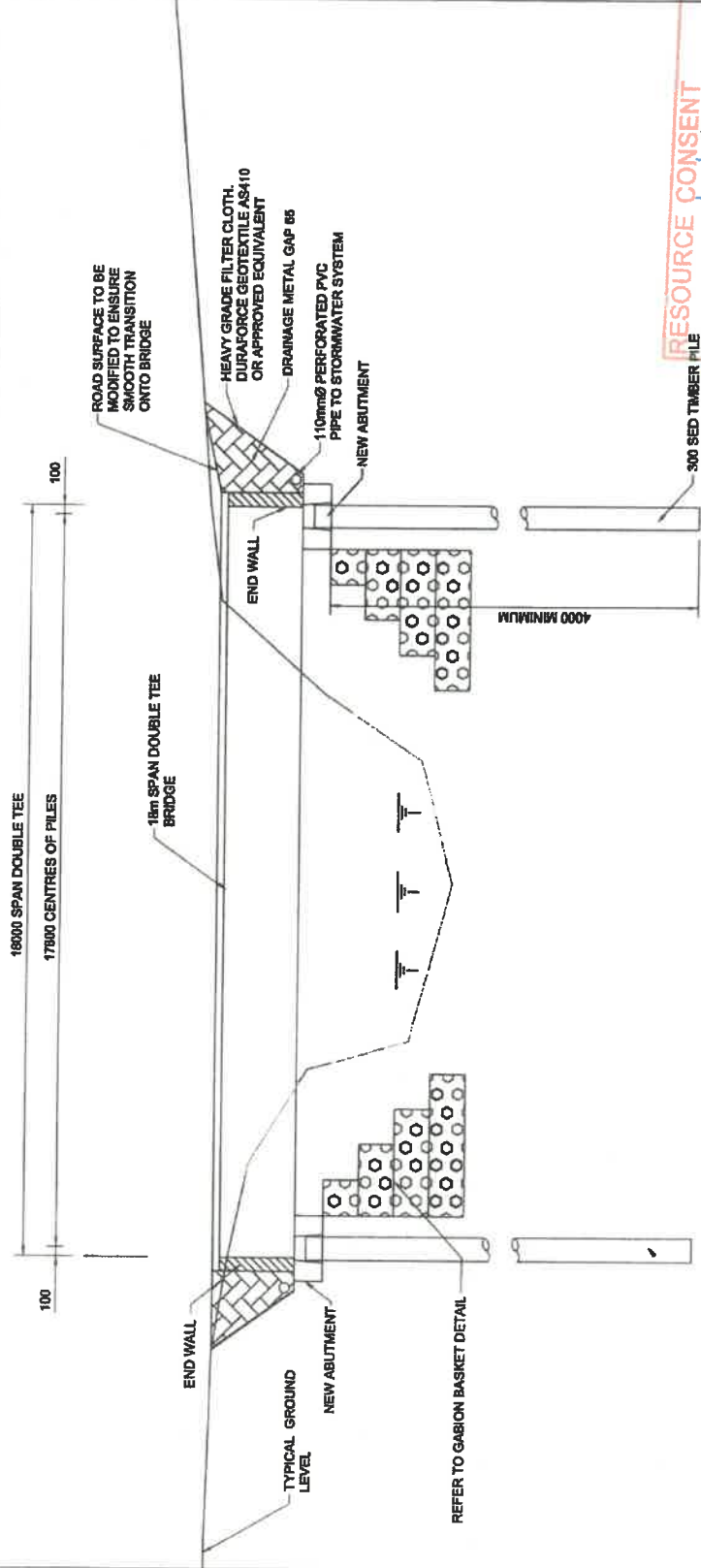


**Notes:**

- ALL DIMENSION IN mm, DO NOT SCALE THE DRAWING, USE STATED DIMENSION ONLY
- CONTRACTOR TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK
- EARTHWORK VARIES TO ACTUAL EXISTING GROUND PROFILE AND TO BE CONFIRMED ON SITE

**DRIVEN PILE NOTES:**

- 300 SED H6 TIMBER DRIVEN PILES
- DRIVEN PILES WITH 500kg HAMMER
- DROP HEIGHT 1000mm
- FINAL SET 7mm AVERAGE OVER THE LAST TEN BLOWS
- MINIMUM DEPTH INTO GROUND 4000mm



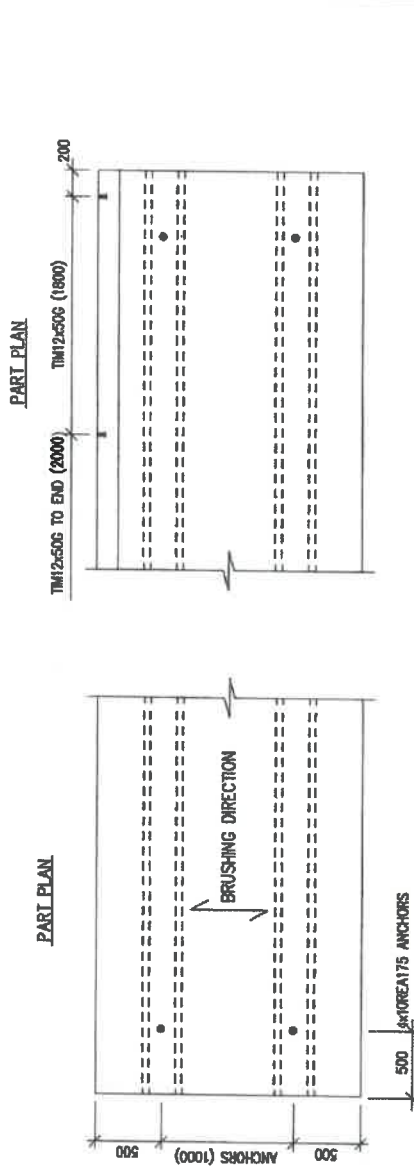
**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appn No. RC16295  
 Plan No. RC16295/3  
 Date: 7/9/18

**CROSS SECTION**

Site: 2739 STATE HIGHWAY 5, WAIOTAPU Title: SECTION	Drawn: 180292.01-DWG-004 Client: Graham Hathaway	Scale (Indicated at A31): NOT TO SCALE	Rev	Description	Drawn	Date	YH
			A	Issued for comment	YH	31-May	YH
22 Metros Segoodh Drive Cambridge 07 590 3555 info@pca.net.nz	Phoenix Consulting Engineers Ltd						YH
							Approved
							SN

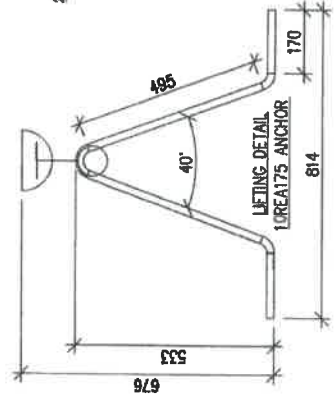
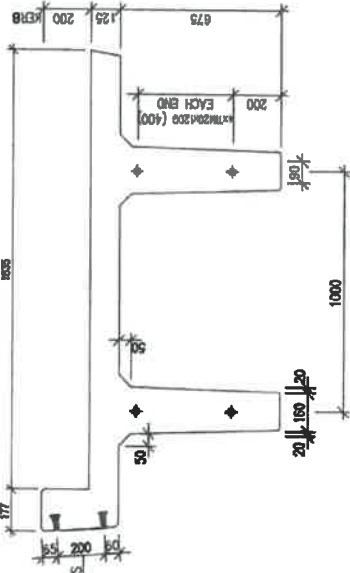
**FOR INFORMATION ONLY**

**NOTES:**  
 - PRECAST BRIDGE DECK DETAILS PROVIDED BY THE SUPPLIER OR MANUFACTURER - HUMES® FOR REFERENCE ONLY



**NOTES:**

- 1 MANUFACTURE IN ACCORDANCE WITH NZS 3109:1997 ( PRECAST UNITS)
- 2 CONCRETE STRENGTH @ 28 DAYS 50MPa, MIN. STRIPPING STRENGTH 25MPa
- 3 PRESTRESSING STRANDS IN ACCORDANCE WITH AS/NZS 4872.1:2007 & AS/NZS 4872.2:2007
- 4 REINFORCEMENT STEEL IN ACCORDANCE WITH NZS 4871  
HD BARS = 500MPa WELDABLE
- 5 SURFACE FINISHES TO NZS 3114:1987, FORMED SURFACE - F4 FINISH  
TOP OF KERB - U3 FINISH  
DECK - U5 BROOM FINISH
- 6 INITIAL STRESS RATIO  $P_o/P_u$  73%
- 7 CONCRETE COVER 50mm FOR DECK & 25mm FOR WEB STEEL U.M.O.



**DECK SECTION**

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 Auckland, 0600 502 112  
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**VOLUME:** 3  
 9.54 m  
**WEIGHT:**  
 23.50 TONNE

Rev	Description	Date	By	Check	Project Name	Project No.	Drawn	SL
1	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
2	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
3	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
4	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
5	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
6	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		
7	DOUBLE TEE BRIDGE DECK				DOUBLE TEE BRIDGE DECK	18 METRE SPAN SALES		

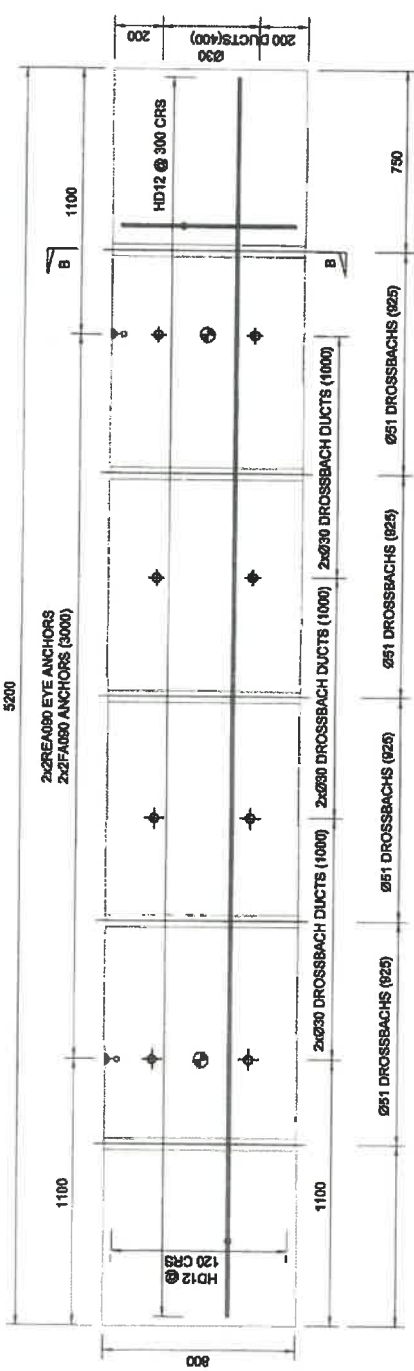
**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appln No. CC16295  
 Plan No. CC16295/4  
 Date: 7/9/18

 <p><b>Phoenix</b>          Consulting Engineers Ltd</p>	22 Metros Seagirth Drive Cambridge 07-560-3585 info@pce.nz	2739 STATE HIGHWAY 5, WAIOTAPU 180292.01-DWG-005 Client: Graham Hathaway	Scale: Original as A3 NOT TO SCALE Date: 31/05/2018	Drawn: YH 31-May Description: Issues for comment	Drawn: YH 31-May Description: Issues for comment
	BRIDGE DECK DETAILS		Date: 31/05/2018	Checked: YH Approved: SN	Checked: YH Approved: SN

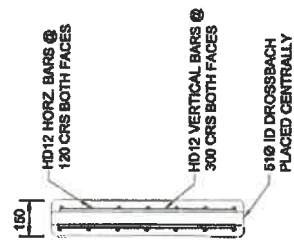


**NOTES:**

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- CONTRACTOR TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK
- MANUFACTURE IN ACCORDANCE WITH NZS 3109:1997 (PRECAST UNITS)
- CONCRETE STRENGTH @ 28 DAYS 30MPa, MIN. STRIPPING STRENGTH 20MPa
- REINFORCEMENT STEEL IN ACCORDANCE WITH NZS 3422 & 3402 HD BARS = 500MPa WELDABLE
- SURFACE FINISHES TO NZS 3114:1987, FORMED SURFACE - F4 FINISH TROWELED FINISH - U3 FINISH
- CONCRETE COVER 35mm UNLESS OTHERWISE NOTED
- EXPOSURE: B1/B2



**END WALL DETAILS**



**SECTION B-B**

**RESOURCE CONSENT**  
 Approved... 7/9/18  
 Appn No... KC16295  
 Plan No... KC16295/S  
 Date... 7/9/18

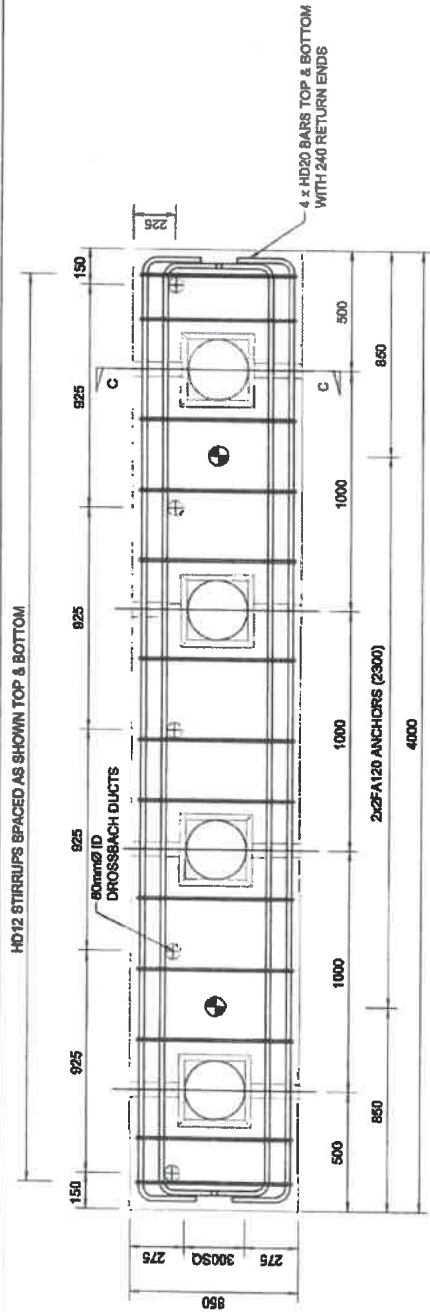
**BRIDGE LOAD LIMITS**  
 MAX AXLE LOAD: 10t  
 MAX LOAD ON BRIDGE: 0.85 HN HO 72  
 MAX SPEED: 30 km/h

**SIGN REQUIRED EACH END**

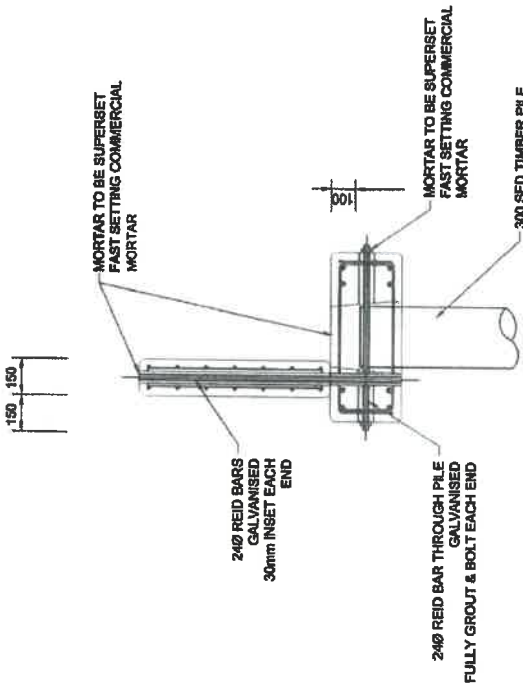
<p><b>Phoenix</b> Consulting Engineers Ltd</p> <p>22 Merico Stgeorge Drive Cambridge 07 500 3060 info@pce.nz</p>	<p>Site: 2739 STATE HIGHWAY 5, WAITAPU</p> <p>Title: END WALL DETAILS</p>	<p>Drawings: 180292.01-DWG-006</p> <p>Scale (Overall at 0.3): NOT TO SCALE</p>	<p>Rev: A</p> <p>Description: Issued for comment</p>	<p>Drawn: YH</p> <p>Date: 31-May</p>	<p>YH</p> <p>YH</p> <p>SN</p>
	<p>Client: Graham Hathaway</p> <p>DATE: 31/05/2018</p>	<p>Checked: YH</p> <p>Approved: YH</p>	<p>Drawn: YH</p> <p>Date: 31-May</p>	<p>YH</p> <p>YH</p> <p>SN</p>	<p>YH</p> <p>YH</p> <p>SN</p>

**NOTES:**

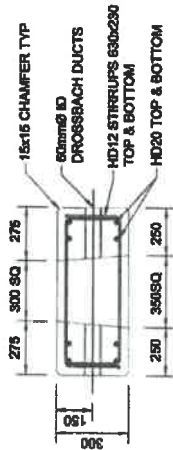
- ALL DIMENSION IN mm, DO NOT SCALE THE DRAWING, USE STATED DIMENSION ONLY
- CONTRACTOR TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK
- LINKAGE BOLTS THAT ARE GOING TO BE IN SOIL CONTACT NEED TO HAVE PLASTIC COVER/CAP BEFORE BACKFILL
- LINKAGE BARS TO BE FULLY GROUDED, IF GROUT DOES NOT FULLY PENETRATE INTO ABUTMENT SLAB, EPICON C6 EXTREME EPOXY TO BE INJECTED FROM UNDER ABUTMENT SLAB TO PROVIDE JOINT PROTECTION
- REIN LINKAGE BARS THROUGH ABUTMENT CAP & PILES NEED TO BE GROUDED AND BOLTED AT ENDS
- CONCRETE STRENGTH @ 28 DAYS 30MPa, MIN. STRIPPING STRENGTH 20MPa



**ABUTMENT DETAILS**



**TYPICAL SECTION AT ENDS**



**SECTION C**

**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appn No: RC16295  
 Plan No: RC16295/6  
 Date: 7/9/18

22 Melrose Sycamore Drive  
 Cambridge  
 07 587 3555  
 info@pca.net.nz

**Phoenix**  
 Consulting Engineers Ltd

2739 STATE HIGHWAY 5, WAIOTAPU

ABUTMENT DETAILS

180292-01-DWG-007

Graham Hathaway

NOT TO SCALE

31/05/2018

Issued for comment

Drawn YH

Date 31-May

Drawn

YH

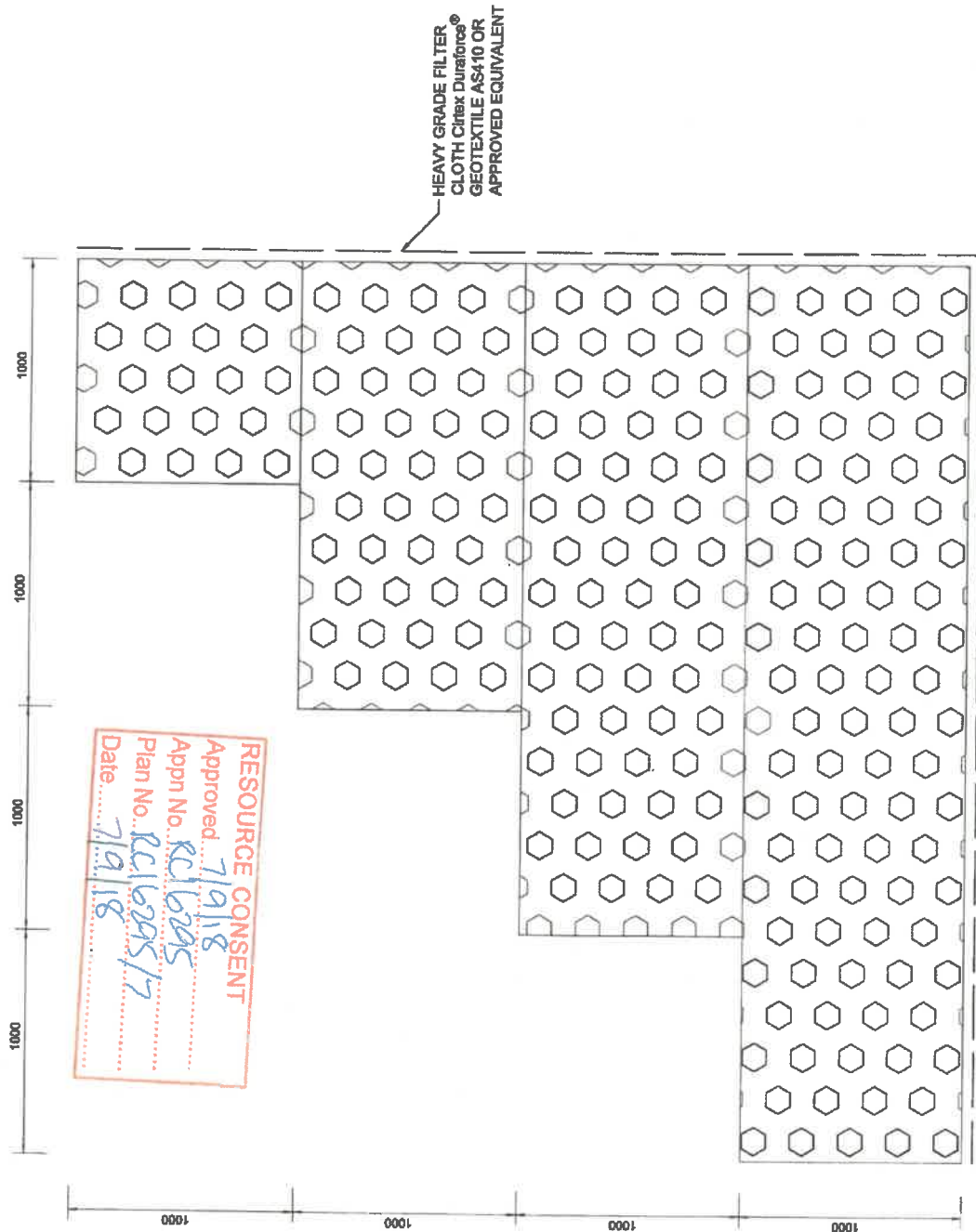
Checked

YH

Approved

SN

NOTES:  
 - ALL DIMENSION IN mm. DO NOT SCALE THE DRAWING, USE STATED DIMENSION ONLY  
 - CONTRACTOR TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK



**RESOURCE CONSENT**  
 Approved: 7/9/18  
 Appn No. RC16295  
 Plan No. RC16295/7  
 Date: 7/9/18

**GABION BASKET SECTION**  
 SCALE 1:20

<b>Phoenix</b> Consulting Engineers Ltd	22 Mitao Segedin Drive Cambridge 07 560 3555 info@pce.net.nz	<b>Site:</b> 2739 STATE HIGHWAY 5, WAIOTAPU	<b>Drawn:</b> 180292.01-DWG-008	<b>Scale (Horizontal &amp; All):</b> 1:20	<b>Date:</b> 31/05/2018	<b>Drawn:</b> YH	<b>Date:</b> 31/05/18	<b>YH</b>
	<b>Title:</b> GABION DETAILS	<b>Client:</b> Graham Hathaway	<b>Description:</b> Issued for comment	<b>Rev:</b> A	<b>Checked:</b> YH	<b>Approved:</b> YH	<b>SN</b>	