

**Form No: 201**



Consent number: _____
Application number: _____
Date received: _____
Document number: _____
AEE Document number: _____
New/Renewal
Draft report to be viewed: Yes / No
Eftpos / Cash / Cheque / Int Banking / Credit Card
Amount Paid \$ _____ Date Pd _____

## Resource Consent Application

(Pursuant to section 88 to the Resource Management Act 1991)

### To erect and use a bridge or culvert

(A separate application form is required for each consent being applied for)

#### Important: Please read carefully before completing the form

All applicants need to respond to all of the questions. If a particular section is not applicable to your application, please say so; do not leave the question blank. Questions may be answered in attached documentation if it is more convenient or insufficient space is provided on the form. If that is done, state specifically on the application form where the answer can be found (**include page or section numbers if referring to a separate report**).


If you have any questions relating to completion of this application form, please contact the Consents Department, Taranaki Regional Council on telephone (06)765-7127 or email [consents@trc.govt.nz](mailto:consents@trc.govt.nz).

#### Lodge the application by signing below and sending the completed form to:

**Mail:** Taranaki Regional Council, Private Bag 713, Stratford 4352.  
Attention: Consents Administration Officer

**Email:** [consents@trc.govt.nz](mailto:consents@trc.govt.nz) (if application is emailed please do not mail a hard copy unless requested to do so by the consents department.)

*If you have not received an email acknowledgement for this application within 5 working days (for new applications) or 10 working days (for renewals) please contact [consents@trc.govt.nz](mailto:consents@trc.govt.nz).*

Application is hereby made for the resource consent detailed in this form	
Signature of applicant or authorised agent: _____	
Name: <u>Caroline Horrox</u>	Date: <u>14/12/17</u>
Please print full name of person who signed above.	

# 1 Application Purpose

1.1 What is the purpose of this application?

New consent

Replacement for expiring  
consent (renewal)

Consent number of expiring consent \_\_\_\_\_

**NOTE:**

**1) This form relates to an application for a culvert or bridge to provide access across a waterway for a road, driveway, cattle race or similar.**

***If your activity does not directly relate to an accessway (eg. involves piping and reclaiming a length of stream), do not complete this form. You need to use Form No 211 – To Pipe a Waterway.***

**2) If you are applying to change the conditions of your consent, do not complete this form. You will need to complete Form 510 –change to consent conditions.**

# 2 Applicant Details

2.1 Applicant's name (full name of proposed consent holder)

*Please complete either (a), (b) or (c) to whom consent is to be issued.*

(a) Company NZ Transport Agency

*First Name*

*Middle Name*

*Surname*

(b) Individual(s) \_\_\_\_\_

\_\_\_\_\_

(c) Trust/Partnership Name \_\_\_\_\_

\_\_\_\_\_

If Trust/Partnership: Full names of Trustees/Partners:

*First Name*

*Middle Name*

*Surname*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2.2 Applicant's address for service [not consultant's address]

E-mail caroline.horrox@nzta.govt.nz

Postal NZ Transport Agency

Level 5, Majestic Centre, 100 Willis Street, Wellington 6011

Phone \_\_\_\_\_ Mob. 0212263791

Name of person to contact regarding this application

Contact Person Caroline Horrox

Phone \_\_\_\_\_  
*(if different from 2.2)*

Email. \_\_\_\_\_  
*(if different from 2.2)*

2.3 Address for service (if different from above, i.e. consultant, lawyer, or other person handling application)

Contact Person Peter Roan

E-mail Peter.Roan@mtma.co.nz

Postal C/- Mt Messenger Alliance, Level 4, 180 Taranaki St, Wellington 6011

Phone \_\_\_\_\_ Mob. 021 333 745

***The Council will serve all formal documents electronically via the email address in 2.2 and 2.3 (if provided).***

### 3 Site Details

#### Location

3.1 Name and address of owner or occupier at the site (if different from 2.1 and 2.2)

See attached table.

3.2 Location of activity (Including: Street/road name, number, and locality):

East of existing SH3 between Uruti and Ahititi. See Section 5 of AEE report and drawing set in Volume 2.

3.3 Map Co-ordinates at point of works (either Longitude/Latitude or NZTM):

Multiple locations Longitude \_\_\_\_\_ Latitude OR

See attached table. E \_\_\_\_\_ N (NZTM)

3.4 Legal description of property at site of activity (refer to land title or rates notice)

Multiple locations - see attached table.

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3.5 Assessment/Valuation number of property (refer to land title or rates notice)

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3.6 What is the name of the river or stream where the bridge/culvert is to be installed?

Mangapepeke Stream, Mimi River and tributaries

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### **Map**

3.7 The application must include an aerial photograph or clear map showing the location of the proposed works.

*An aerial photograph of the site can be obtained free of charge from Taranaki Regional Explorer; <http://www.trc.govt.nz/taranaki-regional-xplorer/>. Alternatively, contact the Consents Department at the Council and request an aerial photograph to be provided.*

Aerial photograph (or map) included

Please make sure the following is shown on your aerial photograph or map:

- Site of proposed works
- Local Roads
- Property boundaries
- Any other relevant features

### **Site Photographs**

3.8 Photographs of the site showing the stream and its banks must be included with the application as indicated below:

#### Photograph

Hard copy  
(attached and labelled)

#### Digital file provided

At site of bridge/culvert

See AEE for wider site photos \_\_\_\_\_ (filename)

Looking upstream from site

\_\_\_\_\_ (filename)

Looking downstream from site

\_\_\_\_\_ (filename)

## 4 Details of the Activity

4.1 If you have discussed this proposal with council staff, please give the person's name here:

Colin McLellan - Consents Manager

4.2 In your own words, briefly describe the activity you are undertaking and its purpose:

Construction of Mt Messenger Bypass, a new section of State Highway 3. See Section 1 of AEE report.

Temporary culverts are required for construction of access tracks within Project area. This application is for the construction and the removal (where required) of temporary culverts.

4.3 A detailed drawing of the culvert or bridge, including dimensions, must be included with this application. This can be done by completing the appropriate diagram on page 8 or 9, or by attaching other drawings. *(Tick the applicable box)*

Completed diagram provided on page 8 or 9

Drawings attached

Typical details and culvert locations in drawing set (Volume 2).

4.4 Will the bridge/culvert be used regularly as a crossing for livestock? Yes

No

4.5 Do you propose any permanent realignment or diversion associated with the installation of the bridge/culvert? *(Tick the applicable box)*

Yes  *(show on map, attach appropriate drawings and describe below)*

No

Some temporary culverts are extensions to proposed permanent culverts. Permanent diversion is associated with the permanent culverts but not specifically with the temporary sections of culvert.

See application form for permanent culverts for more detail.

Temporary culverts for access roads will only require temporary diversion.

4.6 Describe any vegetation clearance or soil disturbance required as part of the works, such as for providing access to the site. Estimate the volume of soil disturbed in cubic metres.

Vegetation clearance and soil disturbance is required for the overall project - see construction methodology in Section 5 of AEE report.

4.7 How often do you expect flood flows to exceed the capacity of the bridge/culvert? (Tick the applicable box)

Less than once every 50 years  Less than once every 10 years

Less than once per year  More than once per year

4.8 When the capacity is exceeded where do you expect the excess water to go? Indicate flow paths on attached map if appropriate.

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Access road surface will be stabilised such that flood events exceeding the culvert capacity may overtop the road in a controlled manner.

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Excess water from the culverts will be managed in accordance with the CEMP and Construction Water Management Plan. See AEE for more information.

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4.9 How have you determined that the waterway capacity of the proposed bridge/culvert is adequate? (Tick the applicable box)

Engineer's calculations (attached)

Ministry for the Environment Guidelines   
(refer to: <http://www.mfe.govt.nz/publications/land/culvertbridge-oct04/culvert-bridge-oct04.pdf>)

Other method detailed below

Given temporary culverts for this road are located downstream of the active earthworks area, it is proposed to adopt the mean annual flood event as the design event for sizing temporary access track culverts.

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Mean annual flood flows as reported by NIWA: 3.9 m<sup>3</sup>/s for the main stem of Mangapepeke Stream in the Main Valley (reach ID 6000774) and up to 0.6 m<sup>3</sup>/s for the western tributaries (reach ID 6000813).

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Details will be provided in a Site Specific Management Plan during detailed design.

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4.10 Describe any likely effects of flows exceeding the waterway capacity of the bridge/culvert (e.g. undermining of structure, erosion of river bed/banks, damage to property). If flow will go over the culvert describe any protection on its downstream side.

See Sections 5 and 9 of AEE report.

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4.11 Describe how the construction will be undertaken, including details of any dewatering of the site during construction.

See construction methodology in Section 5 of AEE report and Construction Environmental Management Plan in Volume 5.

4.12 Describe any rock armouring or other erosion protection work proposed as part of the culvert installation.

Refer Section 5.14 of AEE.

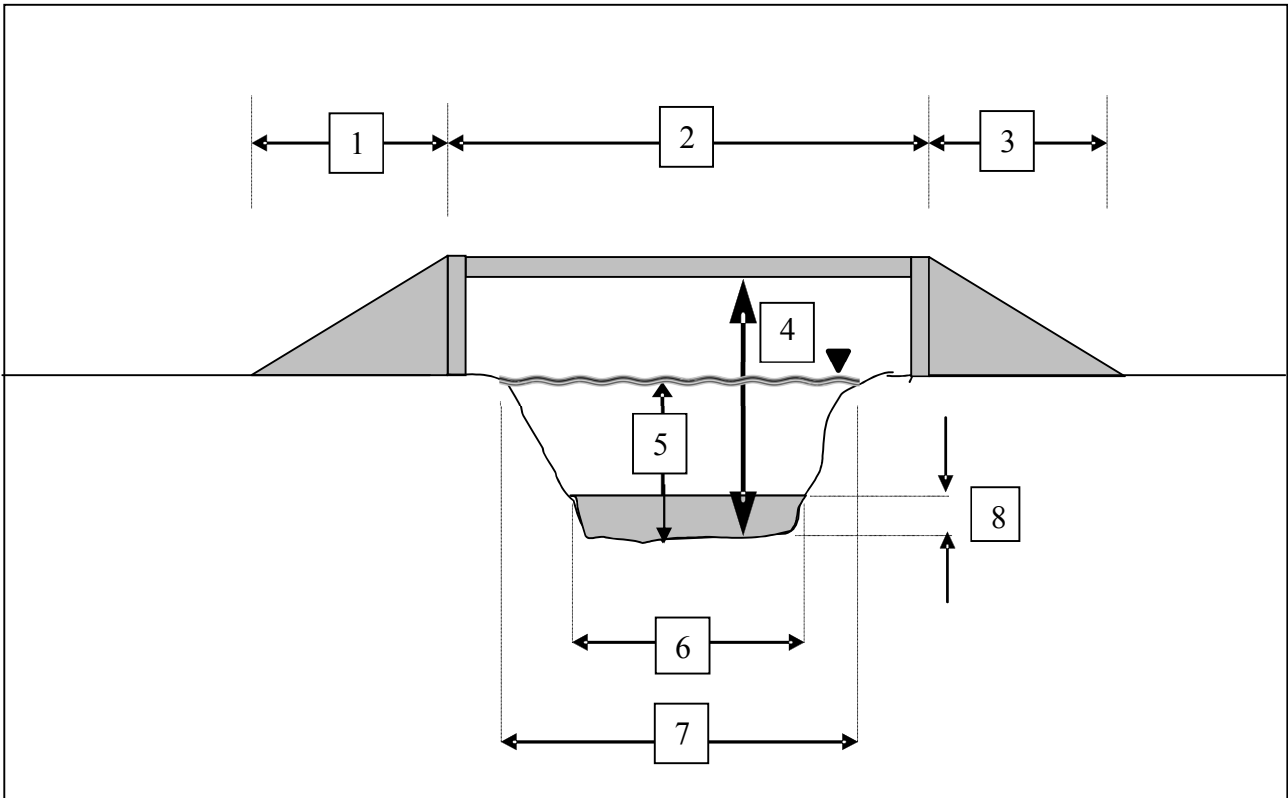
4.13 Indicate your intended post construction re-planting and or maintenance programme to ensure the structure continues to function as planned.

Restoration will be undertaken in accordance with the Landscape and Environmental Design Framework in Volume 3 (Technical Report 8b). Further information will be included in the Ecology and Landscape Management Plan (framework provided in Volume 5 of the AEE).

## 5 Dimensions of proposed Bridge

[Complete only if bridge proposed]

Please fill in the dimensions shown on the cross-sectional diagram in the list below [if the bridge design is different from that below please include a diagram showing all dimensions]: *Or attach engineering plans if available.*



- |   |   |        |
|---|---|--------|
| 1 | Length of bridge approach                       | _____m |
| 2 | Length of bridge                                | _____m |
| 3 | Length of bridge approach                       | _____m |
| 4 | Distance of bridge underside above river bed    | _____m |
| 5 | Distance of design flood level above stream bed | _____m |
| 6 | Bed width of stream channel                     | _____m |
| 7 | Top width of stream channel                     | _____m |
| 8 | Depth of water in the stream at normal flows    | _____m |

If there is to be a spillway, please indicate its dimensions

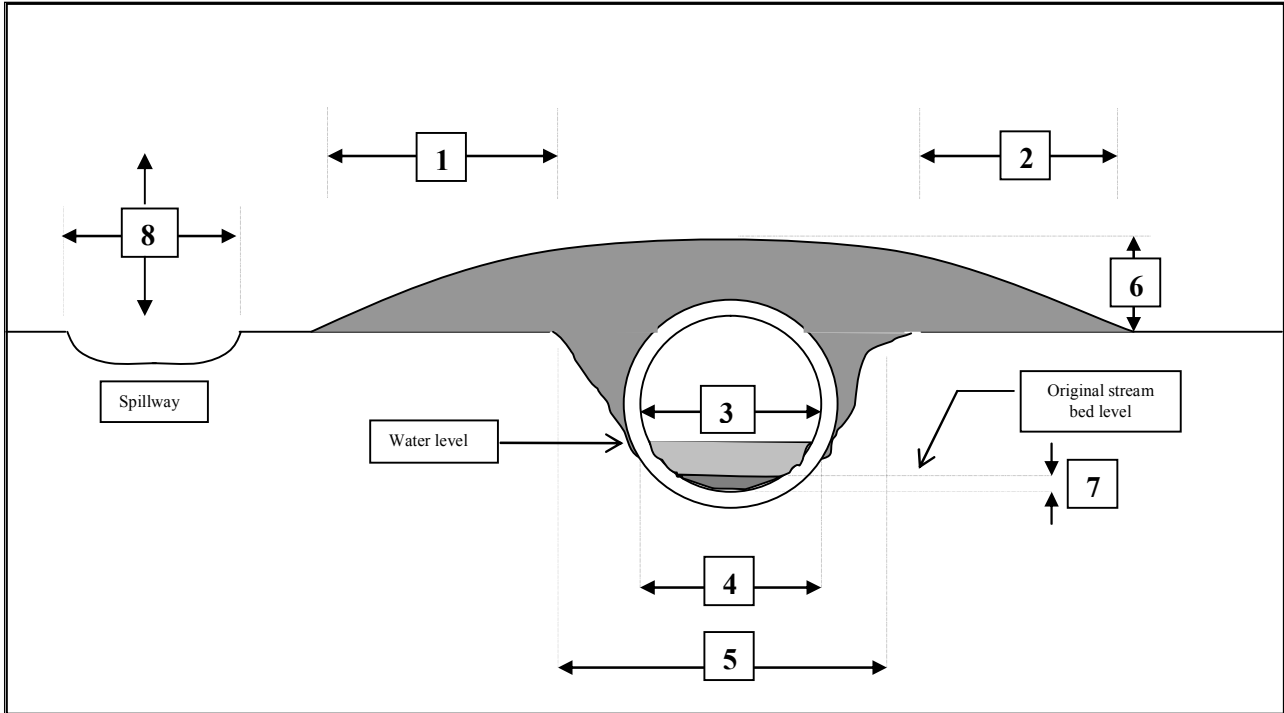
Depth of spillway \_\_\_\_\_ m      Width of spillway \_\_\_\_\_ m



## 6 Dimensions of proposed culvert

[Complete only if culvert proposed]

Please fill in the dimensions shown in the diagram in the list below [if the culvert design is different from that shown below please include a diagram showing all dimensions. Or attach any engineering plans if available.



- |   |   |                              |
|---|---|------------------------------|
| 1 | Length of culvert approach                            | _____m                       |
| 2 | Length of culvert approach                            | _____m                       |
| 3 | Internal diameter of culvert (if circular)            | _____m                       |
|   | If box culvert then width _____m                      | height _____m                |
| 4 | Bed width of original stream channel                  | _____m                       |
| 5 | Top width of original stream channel                  | _____m                       |
| 6 | Depth of fill over culvert                            | _____m                       |
| 7 | Depth of culvert base below original stream bed level | _____m                       |
| 8 | Spillway width & depth [if applicable]                | width _____m<br>depth _____m |

What is the proposed length of the culvert pipe? \_\_\_\_\_ m

## 7 Culvert details

*[Complete only if culvert proposed]*

7.1 What is the proposed culvert made of?

To be determined prior to construction.

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7.2 Is a spillway included in the design? Yes  No

*(If yes, please provide details below including gradient and surface material)*

Not included as part of design of temporary culverts.

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7.3 What are the proposed fill material and compaction standards to be used over the culvert? And where will it come from?

The proposed fill material is site won material. Compaction standard will be as required for the access track.

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## 8 Works Timetable

8.1 How long will the work take? <sup>Project - approx 4 years</sup> \_\_\_\_\_ Days

8.2 Proposed date of work? Commence late 2018

8.3 Proposed duration of instream works? TBC Days or No work in water proposed

8.4 Is any work in the water proposed between 1 May and 31 October?

No  *Go to question 9.1*

Yes  *Go to question 8.5*

8.5 The May to October period is when fish spawning and migration occurs and may be disrupted by the working in the stream. If the work is proposed during this period an assessment of the impact on fish migration and spawning will be required. Consultation and/or written approval may also be required from Fish & Game and/or Department of Conservation.

Assessment of impact on fish migration/spawning attached (*see question 9.3*)

Results of consultation attached (*see question 12.2*)

## 9 Assessment of Environmental Effects

*An assessment of environmental effects [AEE] in accordance with schedule 4 of the Resource Management Act 1991 must be provided with the application. The AEE detail must correspond to the scale of the effects that the activity may have on the environment.*

*Completing this form including providing an adequate assessment of likely flood flows and waterway capacity, will be sufficient for most applications. However for activities with actual or potential effects that are significant, a separate comprehensive AEE report including specific investigations may be required.*

Schedule 4 can be viewed at [www.trc.govt.nz/resource-consent-application-forms](http://www.trc.govt.nz/resource-consent-application-forms)

- 9.1 If the application is to renew a consent, summarise the monitoring that has been undertaken and the environmental effects as identified by that monitoring.

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OR

New Consent/No monitoring data

- 9.2 How far is the work from the nearest property boundary?

Multiple locations within Project area.

Upstream \_\_\_\_\_ m

Downstream \_\_\_\_\_ m

9.3 If work is proposed in a stream/river during the period 1 May to 31 October there may be an impact on fish spawning or migration, particularly if the stream/river is on the Taranaki Ring Plain or near a river estuary. Detail any likely effects on fish migration and spawning of your proposed work.

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See Freshwater Ecology Assessment in Volume 3 (Technical Report 7b).

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9.4 Could the bridge/culvert impede fish movements upstream or downstream of the structure? If so, how do you propose to mitigate any effects on fish passage? Note that fish passage may be impeded by high water velocity, steep drop out of culvert or a long smooth culvert pipe. It is common practise to bury the invert of the pipe below the bed of the stream to enable unimpeded water flow.

Where required, fish passage will be incorporated into the design of each structure. See Section 4.1.16.3.2 of the AEE report and table attached to application form for permanent structures for a summary of fish passage details or each culvert. Type 1 in the attached table is flexible baffles; Type 2 is an oversized and invert depressed culvert.

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9.5 What other environmental effects are likely to occur and how will they be mitigated?  
*(for example, erosion effects, effects on downstream water users or ponding upstream)*

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See Freshwater Ecology Assessment in Volume 3 (Technical Report 7b) and Construction Environmental Management Plan in Volume 5. An Ecological and Landscape Management Plan will be prepared post-lodgement.

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## 10 Assessment of part 2 matters and policy

*An assessment of the activity against the matters set out in Part 2 of the RMA and against any relevant provisions of policy documents and regulations must be provided with the application. The assessment must be in sufficient detail to satisfy the purpose for which its required.*

*For most applications the brief assessment provided below will be adequate. However for activities with significant policy implications, or where a National Policy Statement is relevant, a specific more comprehensive assessment is likely to be required.*

The proposal is consistent with Part 2 of the RMA (the focus of which is to promote sustainable management of natural resources) and the relevant Regional Plan.

The Regional Freshwater Plan for Taranaki supports the installation of a culvert or bridge if adverse effects, such as those resulting from restricted fish passage, interruption to fish spawning and migration, and flooding are avoided or mitigated. These requirements can be met by including reasonable conditions on any consent issued.

## 11 Other Consents Required

11.1 What consents are required from other authorities for the proposed activity?

None  or

Consent Required	Authority	Applied for?	
<u>Notice of Requirement and resource consent - New Plymouth District Council</u>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>(See Section 2 of AEE for summary of non-RMA approvals required)</u>		Yes <input type="checkbox"/>	No <input type="checkbox"/>
_____	_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>

**Note:**

**Building consent maybe required under the Building Act. The applicant is advised to contact the local District Council**

## 12 Consultation / Affected Parties

12.1 Please list the persons that you believe to have an interest in or that may be affected by the proposal.

Name Address

See Section 7 of AEE for details of stakeholder consultation.

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12.2 Detail the consultation undertaken with any interested/affected parties, and the views of those consulted. Attach correspondence if appropriate. The consultation undertaken and the information provided is to aid the Council in determining who may be adversely affected by the proposal.

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*Please note: Council may determine that your application is to be notified. But generally it will be non-notified if there are no more than minor adverse effects beyond the adjacent land, and if written approval is obtained from all those people who are likely to be adversely affected in a minor or more than minor way. Council will determine the people who are likely to be adversely affected and you will have the option of obtaining their written approval so that your application can be non-notified.*

### 13 Draft report and conditions

13.1 Do you wish to review and make comment on a draft report and recommendation [including consent conditions] before any consent is issued?

Yes  No

*If you answered 'Yes' please consider agreeing to a timeframe extension [See section 14 below.]*

### 14 Processing Timeframes

*The RMA specifies timeframes for processing resource consent applications, [for example 20 working days for a non-notified application], however these timeframes can be extended with the applicant's agreement.*

14.1 Do you agree to the Taranaki Regional Council extending RMA consent processing timeframes?

Yes, provided that I can continue to exercise my existing consent until processing of this application is completed [renewal applications].

Yes, provided that the extension is for the specific purpose of discussing and trying to agree on consent conditions.

Yes, provided that the application process is completed before \_\_\_/\_\_\_/\_\_\_ [enter date]

### 15 Surrender of existing consent [renewal applications only]

**Please note that your existing consent is to be surrendered on the granting of this application.**

## 16 Fees and charges

### 16.1 Non-notified initial deposit (including GST) – Land use - to erect and use a bridge or culvert

New/Renewal

\$1,196.00

The charge above is required when an application is submitted and is an **initial deposit** towards the final cost of processing the application. Processing of the application will begin when the deposit is received. The final cost of processing is based on actual and reasonable staff time and disbursements spent processing the application. The final cost (less the deposit) is invoiced at the end of the application process, but there may also be interim invoices during the process.

Where there is more than one application required for the same proposal, an initial deposit is required for each application.

If the consent is notified, a larger deposit will be required. We will advise if the application is to be notified.

Withdrawn applications will incur the cost for work done up to the date of withdrawal.

Applications returned due to inadequate information will incur the cost of work done in receiving the application, assessing the information and returning the application.

All collection costs incurred in the recovery of a debt will be added to the invoice amount due. Overdue invoices will incur an interest charge of 12% per annum.

Details of Council's charging policy are in its 2015/2025 Long-Term Plan.  
([www.trc.govt.nz/council/plans-and-reports/strategy-policy-and-plans](http://www.trc.govt.nz/council/plans-and-reports/strategy-policy-and-plans))

### 16.2 Payment Method for Initial Deposit

- Cheque made payable to Taranaki Regional Council (*to be lodged with application documents*)
- Cash/Eftpos (to be made at Taranaki Regional Council offices, 47 Cloten Rd, Stratford)
- Credit card payment made via Online Services at <https://onlineservices.trc.govt.nz>
- Internet Banking to the credit of Taranaki Regional Council (*see below*)

**If paying by internet banking, please ensure you complete the payment box below to enable us to correctly identify your payment.**

*Please note an invoice/receipt for the deposit will be issued shortly after payment has been received.*

**PAYMENT BOX FOR APPLICANT TO COMPLETE WHEN PAYING DEPOSIT**

Name of account	Bank	Branch	Account No.	Suffix
Taranaki Regional Council	0 2	0 7 5 6	0 0 4 0 5 5 5	0 0 2

**I have entered the Payer Code/Reference details below when paying my deposit via internet banking**

C O N S E N T D E P		
Payer Particulars	Payer Code – your unique identifier	Payer Reference – Name of Applicant

**Total Amount Paid \$** \_\_\_\_\_ **Payment date** \_\_\_\_\_  
(see 16.1 above for amount required)

**Note:**

Payment Particulars – Consent Dep  
Payer Code – your unique identifier for you to assign (ie. road name or river where activity is occurring, or consent no if known, etc)  
Payer Reference – Company Name or Surname of applicant

16.3 Invoicing details: (where to send the invoice for this consent application)

Applicant  or Consultant

16.4 Is the Council required to quote a purchase order number on future invoices for this application?

Yes  Order Number:   
No

**Official information**

The information you provide with your application is official information. It is used to help process your resource consent application and assess the impact of your activity on the environment and other people.

Your information is held and administered by the Taranaki Regional Council in accordance with the Local Government Official Information and Meetings Act 1987 and the Privacy Act 1993. This means that your information may be disclosed to other people who request it in accordance with the terms of these Acts. It is therefore important you let us know if your application includes trade secrets, commercially sensitive material or any other information you consider should not be disclosed.



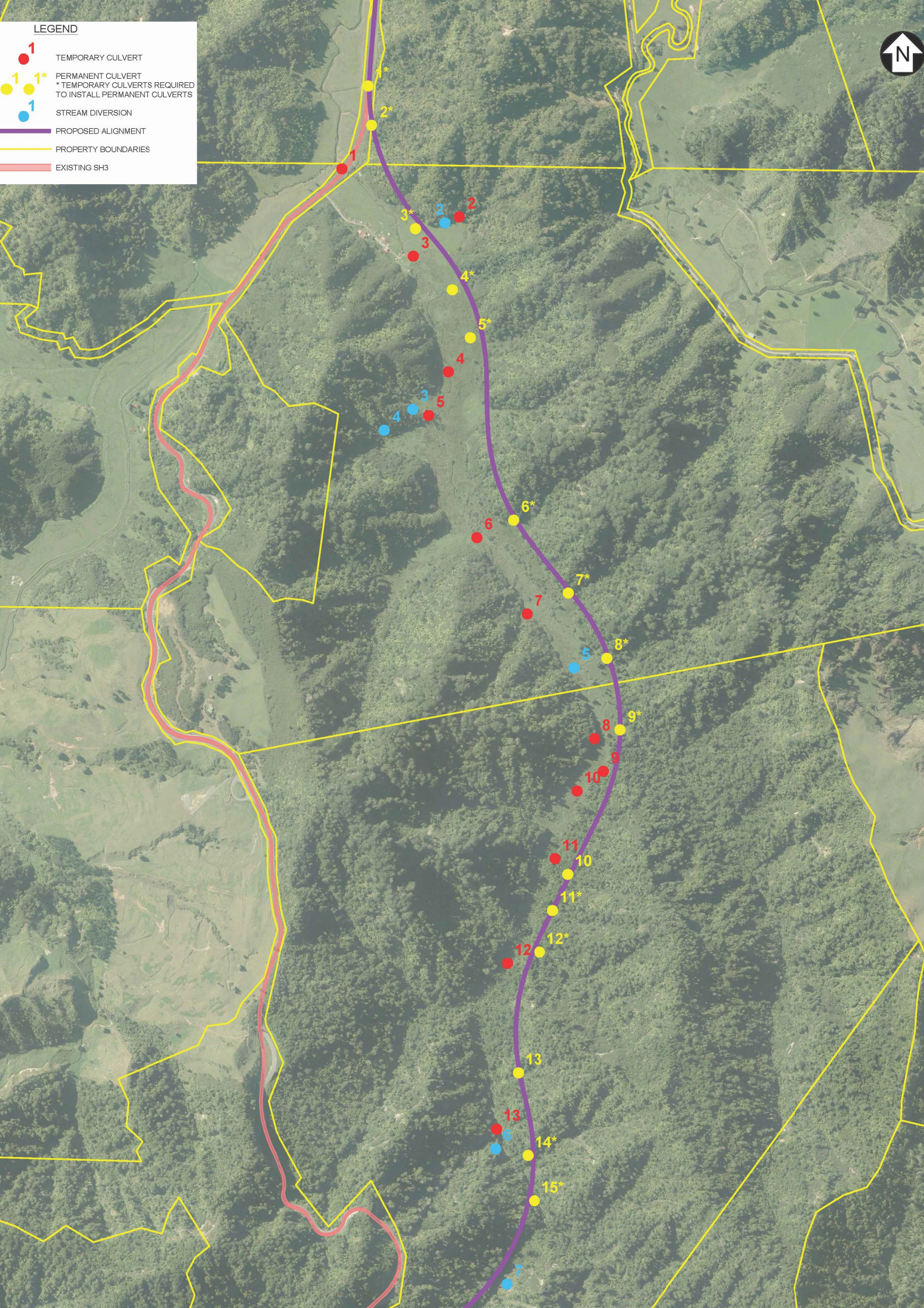
**Please lodge the application by signing the front page and sending the completed form to:**

**Mail:** Taranaki Regional Council, Private Bag 713, Stratford 4352.  
Attention: Consents Administration Officer








**Email:** [consents@trc.govt.nz](mailto:consents@trc.govt.nz) (if application is emailed please do not mail a hard copy unless requested to do so by the consents department.)

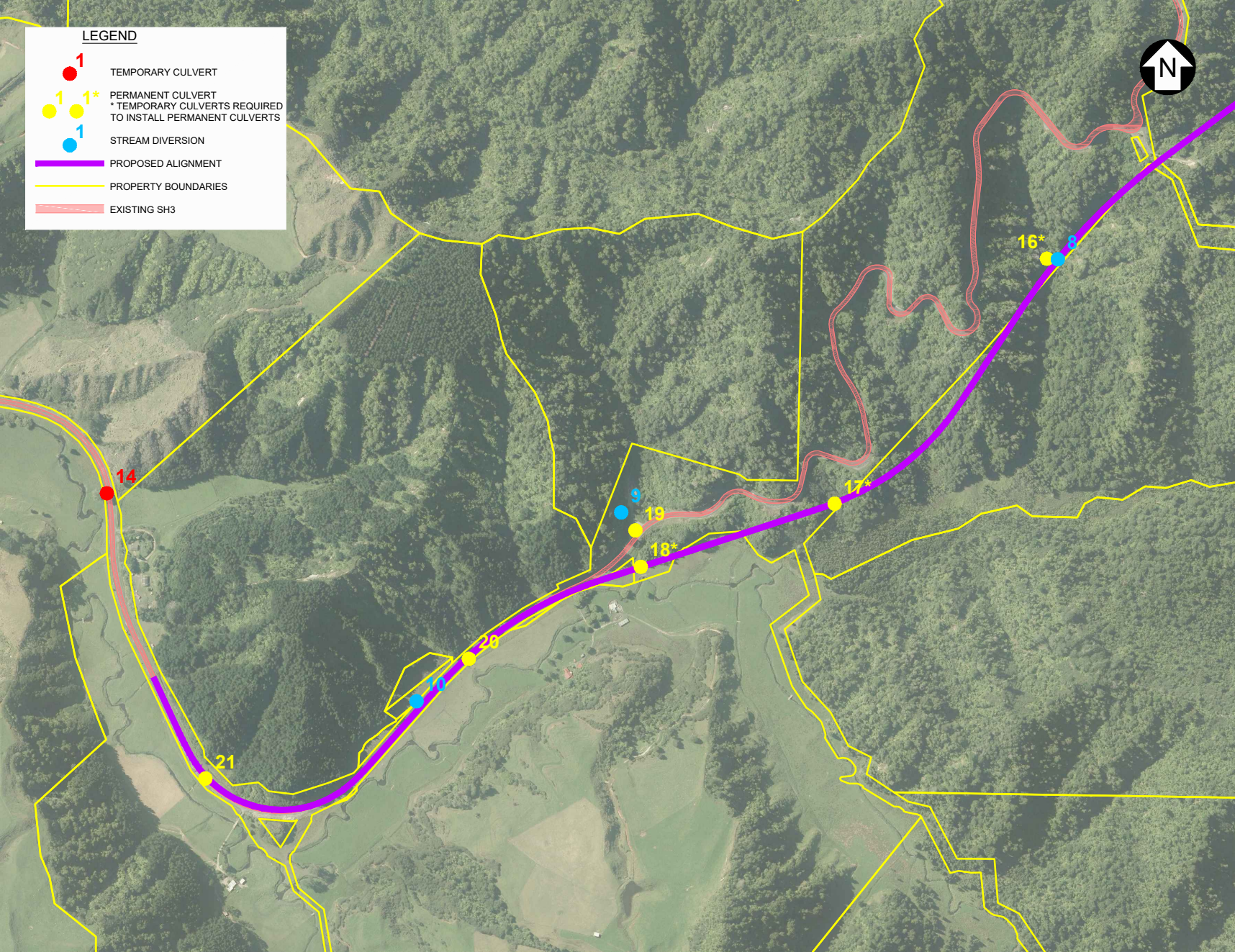
LEGEND

- 1 TEMPORARY CULVERT
- 1 1\* PERMANENT CULVERT  
\* TEMPORARY CULVERTS REQUIRED TO INSTALL PERMANENT CULVERTS
- 1 STREAM DIVERSION
- PROPOSED ALIGNMENT
- PROPERTY BOUNDARIES
- EXISTING SH3



**LEGEND**

-  TEMPORARY CULVERT
-  PERMANENT CULVERT
-  \* TEMPORARY CULVERTS REQUIRED TO INSTALL PERMANENT CULVERTS
-  STREAM DIVERSION
-  PROPOSED ALIGNMENT
-  PROPERTY BOUNDARIES
-  EXISTING SH3



14

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19

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## Temporary culverts for access roads

<b>Culvert reference</b>	<b>Approx. chainage</b>	<b>Stream</b>	<b>Northing (Mn)</b>	<b>Easting (mE)</b>
TA1	400	Mangapepeke main stream	5696260	1738605
TA3	620	Mangapepeke tributary	5696150	1738875
TA4	625	Mangapepeke main stream	5696060	1738770
TA7	950	Mangapepeke main stream	5695795	1738850
TA8	1050	Mangapepeke tributary	5695695	1738805
TA9	1310	Mangapepeke tributary	5695465	1739020
TA10	1330	Mangapepeke main stream	5695415	1738915
TA11	1480	Mangapepeke tributary	5695240	1739030
TA13	1875	Mangapepeke tributary	5694955	1739185
TA14	1960	Mangapepeke main stream	5694880	1739205
TA15	2030	Mangapepeke main stream	5694835	1739145
TA16	2200	Mangapepeke tributary	5694680	1739095
TA17	2310	Mangapepeke tributary	5694570	1739080
TA19	2450	Mangapepeke main stream	5694440	1738985
TA20	2700	Mangapepeke tributary	5694185	1738985
TA21	2800	Mangapepeke tributary	5694060	1738960
TA22	-	Mimi tributary	5692895	1736765