# Form B – Land Use (Use of beds of lakes and rivers)

## Land Use (Use of beds of lakes and rivers)

### excluding Wetlands and Coastal Activities

All sections must be completed in full and accompanied by the initial deposit fee, the administration form (Form A) and an Assessment of Environmental Effects [AEE] in accordance with schedule 4 of the Resource Management Act 1991. Failure to do so may result in your application not being accepted and/or returned.

We always recommend that you consult with a Consents Officer prior to applying, this will save you a lot of time and money in the long run. We always recommend that you consult with anyone who may be deemed an affected party by your proposal, including neighbours and tangata whenua. We are happy to provide you with the correct contact information and anything else you might require with regards to communications and engagement.

Installation and use of instream structures is subject to rules in the **Regional Fresh Water Plan for Taranaki and the National Environmental Standards for Freshwater**. These documents are available at these links:

**Link to Regional Fresh Water Plan for Taranaki [RFWP]**
https://www.trc.govt.nz/council/plans-and-reports/strategy-policy-and-plans/regional-fresh-water-plan/

**Link to National Environmental Standards for Freshwater [NES-FW]**
https://www.legislation.govt.nz/regulation/public/2022/0320/latest/LMS786420.html?search=ts_act%40bill%40regulation%40deemedreg_%22national+environmental+standards%22_resel_25_a&p=1

# SECTION A – Initial information

## 1) Land Use Consent(s) applying for

| 1.1 National Environmental Standard for Freshwater [NES-FW] | | |
|---|---|---|
| Is the proposed activity within a natural inland wetland or within 100 metre setback of a natural inland wetland | ☐ | Yes |
| | ☐ | No |
| **If you answered 'Yes' please assess your proposal against the NES-FW as further consent(s) may be required.** | | |

| 1.2 Please indicate the type and number of land use consents you are applying for on this form | | | | |
|---|---|---|---|---|
| | **Type** | **Number of applications** | **Previous consent number (if replacement or change)** | |
| ❑ | To install and/or use a bridge in, on or over the bed of a river or lake | | | *Please note a deposit will be required for each consent applied for. This total should match the number of consents and deposit amount you have completed in Section 9 (Fees and charges) of Form A* |
| ❑ | To install and/or use a culvert in, on or over the bed of a river or lake | | | |
| ❑ | To dam a stream | | | |
| ❑ | To realign or divert a waterway | | | |
| ❑ | To excavate, drill, tunnel, disturb or deposit material on the bed on a river or lake | | | |
| ❑ | To install a structure (that is not one of the structures above) | | | |
| ❑ | To drill a bore or well | | | |
| ❑ | **Total number of land use consents applying for on this form** | | | |

## 2) Site Photographs, location and works timetable

| 2.1 Site Photographs | | | | |
|---|---|---|---|---|
| ***Please state where in the AEE the information can be located*** | | | **AEE Page Number** | **Section** |
| | Digital File provided *[please tick to confirm inclusion]* | | Hard copy provided | |
| At activity site | ☐ | (filename) | ☐ | |
| Looking upstream from site | ☐ | (filename) | ☐ | |
| Looking downstream from site | ☐ | (filename) | ☐ | |

| 2.2 Location of Activity | | |
|---|---|---|
| ***Please state where in the AEE the information can be located*** | **AEE Page Number** | **Section** |
| Provide a **site plan** that clearly shows and labels the location of the proposed activity, waterways, property boundaries and any other significant features.<br><br>*You can use the mapping system on our website (www.trc.govt.nz keywords 'local maps'). The maps include property boundary and contour layers. You can search by property, view and print topographic maps and aerial photographs.* | | |

| 2.3 Works Timetable | | |
|---|---|---|
| ***Please describe each activity in more detail and state where in the AEE the information can be located*** | **AEE Page Number** | **Section** |
| How long will the work take? *(number of days)* | | |
| Proposed date of work | | |
| Proposed duration of instream works *(number of days)* | | |
| Not Applicable – works already completed **(eg. replacement consents)** | | |

| Is any work in the water proposed between 1 May and 31 October? | | | |
|---|---|---|---|
| ☐ | No | | |
| ☐ | Yes | | |
| | *If yes, please answer the following* | | |
| ***Please state where in the AEE the information can be located*** | | **AEE Page Number** | **Section** |
| **The May to October period is when fish spawning and migration occurs and may be disrupted by 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 | | |
| ☐ | Results of consultation attached | | |

## 3) Regional Plan and Activity Status

| **3.1 Please advise the regional plan and/or National Environmental Standard (NES) regulation, and activity status of the consents applied for** | | |
|---|---|---|
| ***Please state where in the AEE the information can be located*** | **AEE Page Number** | **Section** |
| **Please indicate the following for each activity:**<br>▪ The regional plan/NES-FW and rule you are applying under<br>▪ What permitted activity rule and standards are not being complied with and why<br>▪ What is the activity status of your application<br><br>***<u>Councils preference is the information is provided in the format shown below</u>*** | | |

| Consent applied for | Regional Plan or NES Regulation | Rule/Regulation applying under | Activity Status e.g. Controlled | Permitted Activity Rule/Regulation not complied with and reasons why not met |
|---|---|---|---|---|
| *Install bridge* | *RFWP* | *64* | *Discretionary* | *Rule XX– unable to meet this because XXX* |

# SECTION B – Bridges and culverts

**Please note if your structure is <u>not</u> a bridge or culvert, please do not complete this section**

## 4) Details of the Activity

### 4.1 Describe the activity taking place

| Where relevant this section must include, but not be limited to (tick all that apply): | | | AEE Page Number | Section |
|---|---|---|---|---|
| ☐ | Detail whether the river is tidal at the structure's location | | | |
| ☐ | Detail if the bridge/culvert will be used regularly as a crossing for livestock | | | |
| ☐ | Detail whether any permanent realignment, reclamation or diversion associated with the installation of the bridge/culvert is proposed | | | |
| | ☐ | *If permanent realignment, reclamation or diversion is proposed show on map, attach appropriate drawings, describe and ensure the loss of river values and extent associated with the diversion is addressed in the NPS-FM assessment. Please ensure the relevant rules under the RFWP and NES-FW have been assessed for these activities as additional consents may be required.* | | |
| ☐ | Detail how often flood flows are expected to exceed the capacity of the bridge/culvert? *Eg More than once per year, Less than once every 10 years* | | | |
| ☐ | Detail how it has been determined that the waterway capacity of the proposed bridge/culvert is adequate? *Eg TRC Engineer, Other Engineer's calculations* | | | |
| ☐ | Detail whether the structure will include a Ramp, Apron and/or Flapgate. *(if Yes, provide details including dimensions)* | | | |
| ☐ | Detail whether a spillway is included in the design. *(If Yes, please provide details below including gradient and surface material)* | | | |
| ☐ | What is the width of the river at the water surface? (metres) | | | |
| ☐ | What is the width of the river bed (ie. Including its banks up to full depth) | | | |
| ☐ | Describe any vegetation clearance or soil disturbance required as part of the works, such as for providing access to the site, or within the banks to enable construction. Estimate the volume of soil disturbed in cubic metres. | | | |
| ☐ | When the capacity is exceeded where will excess water go? Indicate flow paths on attached map if appropriate. | | | |

| | | | |
|---|---|---|---|
| ☐ | 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. | | |
| ☐ | Describe how the construction will be undertaken, including details of any dewatering of the site during construction. | | |
| ☐ | Describe any rock armouring or other erosion protection work proposed as part of the culvert installation. | | |
| ☐ | Indicate your intended post construction re-planting and or maintenance programme to ensure the structure continues to function as planned. | | |
| | **Culvert Only** | | |
| ☐ | Describe what the proposed culvert is made of. | | |
| ☐ | Describe the proposed fill material and compaction standards to be used over the culvert. Where will the fill come from? | | |
| ☐ | What is the proposed length of the culvert pipe?_____ m | | |
| | **National Environmental Standards for Freshwater** | | |
| | The culvert provides for the same passage of fish upstream and downstream as would exist without the culvert, except as required to carry out the works to place, alter, extend, or reconstruct the culvert. | ☐ **Yes** ☐ **No** | |
| | The culvert will be laid parallel to the slope of the bed of the river or connected area. | ☐ **Yes** ☐ **No** | |
| | The mean cross-sectional water velocity in the culvert is no greater than that in all immediately adjoining river reaches' | ☐ **Yes** ☐ **No** | |
| | The culvert's width where it intersects with the bed of the river or connected area (s) and the width of the bed at that location (w), both measured in metres, are: | | |
| | (i) where $w \leq 3$, $s \geq 1.3 \times w$: | ☐ Yes ☐ No ☐ Not applicable | |
| | (ii) where $w > 3$, $s \geq (1.2 \times w) + 0.6$; | ☐ Yes ☐ No ☐ Not applicable | |
| | The culvert will be open-bottomed or its invert will be placed so that at least 25% of the culvert's diameter is below the level of the bed. | ☐ **Yes** ☐ **No** | |
| | The bed substrate will be present over the full length of the culvert and stable at the flow rate at or below which the water flows for 80% of the time. | ☐ **Yes** ☐ **No** | |
| | The culvert provides for continuity of geomorphic processes (such as the movement of sediment and debris). | ☐ **Yes** ☐ **No** | |

| 4.2 Dimensions of bridge | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the dimensions of the bridge<br>*An example of the dimensions required is located at the back of this application form* | | |

| 4.3 Dimensions of culvert | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the dimension of the culvert design (including a cross-section) *An example of the dimensions required is located at the back of this application form* | | |

# SECTION C – Dam

**Please note if your structure is <u>not</u> a Dam, please do not complete this section**

## 5) Details of the Activity,0000m3 or more.

| **5.1** | **Does the dam already exist?** | |
|---|---|---|
| ☐ | No | |
| ☐ | Yes | |
| | *If yes, what year was the Dam constructed* | |

| **5.2** | **Will a building consent be required for your Dam?** |
|---|---|
| ☐ | No |
| ☐ | Yes - Dam height is at least 4 metres or higher and storage volume is at least 20,000 $m^3$ or 1 m or higher with a storage volume of 40,000 $m^3$ or more. |

| **5.3** | **Describe the activity taking place** | | |
|---|---|---|---|
| **Where relevant this section must include, but not be limited to (tick all that apply):** | | **AEE Page Number** | **Section** |
| ☐ | Describe the purpose of the dam. | | |
| ☐ | Detail whether water will be taken from the dam? If Yes, what is the rate of take ($m^3$/day) | | |
| ☐ | Describe the purpose of the take | | |
| ☐ | Enclose plans for dam design | | |
| ☐ | Detail the volume of the dam reservoir *(at normal levels)*? (cubic metres) | | |
| ☐ | Detail the catchment area upstream of the dam? (hectares) | | |
| ☐ | Describe what the dam is [or to be] constructed of *(i.e. building materials)*? | | |
| ☐ | Describe any works or temporary structures in the stream bed *(e.g. coffer dams, diversions, channel realignment)* that are proposed to facilitate dam construction. *(Plans may need to be attached.)* | | |
| ☐ | Give details of the construction methodology *[eg. Compaction standards, excavation of unsuitables, preparation of lake bed]*. | | |
| ☐ | Describe any permanent works proposed in the stream bed *[eg. excavation of the reservoir].* | | |

| | | | |
|---|---|---|---|
| ☐ | Detail if the dam will be across a permanently flowing stream?<br>If the answer is no, comment on duration of dry period *[eg. % of time, months per year]* | | |
| ☐ | Comment on the effect the dam will have on flow downstream during dry periods. If provision has been made to allow some flow past the dam, please give details. | | |
| ☐ | Describe what provision is made for fish passage past the dam?<br>Indicate species that will be provided for, and attach drawing of fish pass if appropriate. If no provision for fish passage is proposed explain why not. | | |
| ☐ | Describe what provision has been made to cope with flood flows? If there is no spillway explain how floodwaters will pass safely. | | |
| ☐ | Comment on the potential for damage in the event of dam failure *(eg. effects on downstream bridges, roads, property).* | | |
| ☐ | Comment on the effects of the reservoir *(eg. potential flooding or other effects to neighbours).* | | |
| ☐ | Detail whether the dam was designed by an engineer. If yes, give name of Engineer | | |

| **5.4 Dimensions of dam – long and cross section** | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the dimensions of the dam<br>*An example of the dimensions required is located at the back of this application form* | | |

| **5.5 Dimensions of dam – Spillway** | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Is a spillway proposed [or existing] to provide for flood flows? | ☐ **Yes** ☐ **No** | |
| Please provide details and attach plans of the dimensions of the spillway<br>*An example of the dimensions required is located at the back of this application form* | | |

# SECTION D – To realign or divert a waterway

**Please note if your structure is <u>not</u> a realignment or diversion, please do not complete this section**

## 6) Details of the Activity

### 6.1 Riparian Management

Before lodging this application you will need to have an up-to-date Riparian Management Plan (RMP), or have a Council officer confirm that no RMP is needed in your situation.

*Even very recent RMP's need to be updated so please contact the Council's Land Management Office and ask that your current RMP be updated, a new one prepared, or to get confirmation that no RMP is required.*

The options for contacting the Council's Land Management Office are set out below. Please indicate how you made contact by ticking the applicable box.

- ❑ Contacted the Land Management Officer who manages your RMP
- ❑ Emailed riparian@trc.govt.nz

| | | | |
|---|---|---|---|
| ☐ | I have had my RMP updated or a new one prepared | | ☐ **Yes** ☐ **No** |
| | Plan number | | |
| | Name of Officer who completed the RMP | | |
| ☐ | A RMP is not required | | ☐ **Yes** ☐ **No** |
| | Confirmed by (Officer's name) | | |

### 6.2 Describe the activity taking place

| **Where relevant the AEE must include, but not be limited to (tick all that apply):** | | **AEE Page Number** | **Section** |
|---|---|---|---|
| ☐ | What is the name of the river or stream where the work is proposed? | | |
| ☐ | Please describe the current nature of the stream/river at the site of the proposed works. Include Channel Width, Channel Depth and Water Depth, bed material (eg rocky, silty) and bank vegetation | | |
| ☐ | A detailed drawing of the proposed re-alignment or diversion including dimensions, must be included with this application. | | |
| ☐ | Is the realignment/diversion on a permanently flowing stream? | ☐ **Yes** ☐ **No** | |
| ☐ | If the stream is not permanently flowing, comment on duration of dry period *(eg % of time, months per year)* | | |
| ☐ | In your own words, briefly describe the activity you are undertaking: | | |

| | | | | |
|---|---|---|---|---|
| ☐ | Describe the purpose of the proposed activity. | | | |
| ☐ | Does the activity involve the following: | | | |
| | ☐ | Excavation of a new channel | ☐ **Yes** | ☐ **No** |
| | ☐ | Filling a redundant channel | ☐ **Yes** | ☐ **No** |
| | ☐ | Straightening a channel but keeping it in the same location | ☐ **Yes** | ☐ **No** |
| | ☐ | Removing vegetation or clearing a channel | ☐ **Yes** | ☐ **No** |
| ☐ | Describe any excavation or other disturbance of the river/stream bed or banks that will occur. | | | |
| ☐ | Describe any associated vegetation clearance or soil disturbance proposed beside the stream. *[eg. Recontouring of adjacent paddocks]* Mark the area on the map included. | | | |
| ☐ | Describe any proposed earthworks/soil disturbance such as re-contouring of adjacent paddocks. Mark the area on the map to be included. | | | |
| ☐ | Provide details of the approximate area of earthworks/soil disturbance<br>Eg < 1 ha, 1 to 8 ha, >8 | | | |
| ☐ | Detail the approximate volume of earthworks/soil disturbance<br>Eg < 3000 $m^3$ , 3000 $m^3$ to 24,000 $m^3$ , >24,000 $m^3$<br>**(please note if discharge is above this amount an additional discharge consent may be required)** | | | |
| ☐ | Give the details of the length of the existing channel. | | | |
| ☐ | Give the details of the length of new channel. | | | |
| ☐ | Outline the protection measures proposed to prevent erosion of the new channel e.g. rock armouring or gravel in the bed of the channel? If none proposed explain why not. | | | |
| ☐ | Detail how often do you expect flood flows to exceed the capacity of the new channel? *Eg Less than once every 50 years, less than once every 10 years, less than once per year, more than once per year* | | | |
| ☐ | Describe where you expect the excess water to go when the capacity of the new channel is exceeded? Indicate flow paths and any ponding areas on attached map if appropriate. | | | |
| ☐ | Detail how have you determined that the waterway capacity of the proposed new channel is adequate? *Eg TRC Engineer, Other Engineer's calculations* | | | |
| ☐ | Describe any likely effects of flows exceeding the waterway capacity of the channel. *(eg. erosion of river bed/banks or damage to property)* | | | |

| 6.3 Dimensions of Realignment/Diversion channel | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the dimensions of the realignment/diversion channel design. *An example of the dimensions required is located at the back of this application form* | | |

# SECTION E – To excavate, drill, tunnel, disturb or deposit material on the bed of a river, or lake

**Please note if your activity is <u>not</u> to excavate, drill, tunnel, disturb or deposit material, please do not complete this section**

## 7) Details of the Activity

| **7.1 Describe the activity taking place** | | | |
|---|---|---|---|
| **Where relevant this section must include, but not be limited to (tick all that apply):** | | **AEE Page Number** | **Section** |
| ☐ | In your own words, briefly describe the activity you are undertaking | | |
| ☐ | Give full details of the activity and its purpose, including volumes and types of material involved, and the area of river affected. Attach plans as necessary. | | |
| ☐ | Describe how the activity will be undertaken, include description of any machinery to be used in the stream bed. | | |
| ☐ | Detail if any permanent realignment or diversion associated with the installation of the activity is proposed (*show on map, and attach appropriate drawings)* | | |

| **7.2 Drawing detailing the activity** | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the proposed activity. Include dimensions eg depth of excavation, deposits and a real extent | | |

# SECTION F – Other structures

**Please note this section is for all other structures that don't fall into the categories above**

## 8) Details of the Activity

| **8.1 Please ensure your Assessment of Environmental Effects contains a details of activity section** | | | |
|---|---|---|---|
| **Where relevant this section must include, but not be limited to (tick all that apply):** | | **AEE Page Number** | **Section** |
| ☐ | In your own words, briefly describe the activity you are undertaking. | | |
| ☐ | Describe the proposed structure [including building materials] and its purpose. | | |
| ☐ | Describe whether the structure is permanent or temporary. If temporary give details of the duration. | | |
| ☐ | Detail if any permanent realignment or diversion associated with the installation of the activity is proposed (*show on map, and attach appropriate drawings).* | | |
| ☐ | Describe how the construction will be undertaken, including details of any dewatering of the site during construction, and any excavation that is to occur. | | |
| ☐ | Indicate your intended post construction maintenance programme to ensure the structure continues to function as intended. | | |

| **8.2 Drawing detailing the activity** | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| Please provide details and attach plans of the proposed activity. Include dimensions including depth below stream bed. | | |

# SECTION G – Bore/Well

**Please note if your activity is <u>not</u> to install a bore or well, please do not complete this section**

## 9) Details of the Activity

**9.1 Please ensure your Assessment of Environmental Effects contains a details of activity section**

| | **Where relevant this section must include, but not be limited to (tick all that apply):** | **AEE Page Number** | **Section** |
|---|---|---|---|
| ☐ | In your own words, briefly describe the activity you are undertaking. | | |
| ☐ | Describe if the bore/ well will be constructed to ensure that it does not allow access to more than one aquifer. | | |
| ☐ | Describe if the bore/well be drilled following the NZS 4411:2001 *[Environmental Standard for drilling of soil and rock]*. | | |
| ☐ | Give details of the proposed bore/well dimeter and proposed depth. | | |
| ☐ | Details what the proposed use of the bore/well is for *eg Stock water, Ground water monitoring, Domestic supply (including number of properties it will service), Irrigation (including irrigation area proposed) or any other use.* | | |
| ☐ | Describe if the bore/well will be constructed to ensure that it does not allow leakage from the ground surface into ground water. | | |
| ☐ | If there are other bore/wells within 500 metres of your proposed bore/well give details and mark on site plan. *Give details of owners of bores, and whether the bores are unused, for water supply, monitoring or you don't know.* | | |
| ☐ | Give details of the bore/well driller. *Include contact details such as email and mobile phone number.* | | |

*<u>Note:</u> The bore/well should be sited, and drilled to such a depth, that interference with other groundwater users and monitoring wells is minimised. The bore/well should also be constructed to minimise drawdown within the bore/well itself*

## 10) Assessment against relevant objectives & policies of the relevant plan/s

### 10.1 A policy assessment is required by s88 and schedule 4 of the RMA.

Provide an assessment of the proposal against the relevant objectives and policies of the relevant regional plan(s), on our website: www.trc.govt.nz/ and relevant documents including but limited to the relevant Iwi Management Plan & National Policy Statement

| *(state where in the AEE the information can be located)* | | AEE Page Number | Section |
|---|---|---|---|
| **Policy assessment included?** | ☐ **Yes** | | |

### 10.2 National Policy Statement for Freshwater Management 2020 (NPS-FM)

Clause 3.26(1) of the NPS-FM requires the Regional Plan to include the following objective:

'The passage of fish is maintained, or is improved, by instream structures, except where it is desirable to prevent the passage of some fish species in order to protect desired fish species, their life stages, or their habitats."

Clause 3.24 of the NPS-FM directs that the Council cannot grant a consent that will result in a **loss of river extent and values*** unless it is satisfied that:

(a) that there is a **functional need*** for the activity in that location; and

(b) the effects of the activity are managed by applying the **effects management hierarchy***."

***Definitions located at https://environment.govt.nz/assets/publications/National-Policy-Statement-for-Freshwater-Management-2020.pdf***

**Loss of river extent and values**

**Any loss of river extent and values that may result from the proposed structure must be detailed in this application.**

| | *Please state where in the AEE the information can be located* | AEE Page Number | Section |
|---|---|---|---|
| ☐ | No loss of river values for reasons detailed below *(provide reasoning in attached documentation)* | | |
| ☐ | Yes, there will be a loss of river extent and values. Full details are below and/or in attached documentation. | | |

| **Functional need** | | | | |
|---|---|---|---|---|
| **If there is a loss of river values there must be a functional need for the structure at this location *(tick boxes that apply).*** | | | | |
| ***Please state where in the AEE the information can be located*** | | | **AEE Page Number** | **Section** |
| ☐ | Functional need not required because there will be no loss of river values | | | |
| ☐ | Is there a functional need for the structure? | | | |
| | ☐ | For the reason that the structure is currently authorised, it is not practicable to remove it. | | |
| | ☐ | For the reason that associated infrastructure, such as a road or other access, must cross the river at this location. | | |
| | ☐ | For other reasons I have detailed in the attached documentation | | |

| **Effects Management Hierarchy** | | | |
|---|---|---|---|
| **If there is a loss of river values there must be a functional need for the discharge and the effects management hierarchy must be applied.** | | | |
| ***Please state where in the AEE the information can be located*** | **AEE Page Number** | **Section** | |
| ☐ | Application of effects management hierarchy is not required because there will be no loss of river values. | | |
| ☐ | Application of the effects management hierarchy is detailed in the attached documentation. | | |

## 11) Assessment of environmental effects (AEE)

**11.1 The Resource Management Act (RMA) 1991, requires resource consent applications to include an assessment of environmental effects (AEE), in accordance with schedule 4 of the Resource Management Act 1991, identifying the actual and potential effects that an activity may have on the environment. In addition, the applicant is required to identify the ways in which those effects can be avoided, remedied or mitigated.**

**Schedule 4 can be viewed at www.trc.govt.nz/resource-consent-application-forms**

| **AEE included?** *(please attach separate document)* | ☐ **Yes** |
|---|---|

| | **Where relevant the AEE must include, but not be limited to (tick all that apply):** | **AEE Page Number** | **Section** |
|---|---|---|---|
| ☐ | Construction effects *(eg stream bed disturbance, sediment release, fish passage)*<br>▪ *Is there a fish management plan for the effects to fish during installation of the structure,* | | |
| ☐ | Post-construction effects/effects of structure on the riverbed, upstream and downstream and in typical and extreme conditions (*e.g. flooding, erosion, ecology). Provide an assessment and supporting calculations:*<br>▪ *Methods to reduce or prevent environmental effects after construction (such as restoring riparian margins, grassing and planting fill batters with native species, metalling approaches, stabilising abutments).*<br>▪ *Describe any adverse effects that may occur from sediment disturbed during and immediately after work in the stream.* | | |
| ☐ | Effects on water quality (e.g. sedimentation)<br>▪ *Will the discharge cause any conspicuous change in colour or clarity of water?* | | |
| ☐ | Effects on fish habitats and fish passage (e.g. perched culverts), and measures to mitigate effects (e.g. placing culvert invert below streambed, fish ladders, native planting):<br>▪ *Describe any fish life in the redundant channel and any fish salvage proposed.*<br>▪ *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 practice to bury the invert of the pipe below the bed of the stream to enable unimpeded water flow.* | | |
| ☐ | Effects on cultural values. Please see our website for iwi boundaries and contacts https://www.trc.govt.nz/council/working-with-iwi/iwi-contacts/ | | |
| ☐ | Alternatives<br>*Include alternatives considered and reasons why they were discounted* | | |

| | | | |
|---|---|---|---|
| ☐ | Maintenance | | |
| ☐ | Contingency | | |
| ☐ | Monitoring | | |
| ☐ | Erosion and scour (including site sediment and erosion control (ESCP)) | | |
| ☐ | Flooding – including assessment of flood carrying capacity of structure | | |
| ☐ | Effects on neighbour's properties | | |
| ☐ | Other mitigation | | |
| ☐ | Are there any other environmental effects likely to occur and if so, how will they be mitigated? | | |

## 12) Other consents required/permitted activities

| **12.1 What other consents are required from the Taranaki Regional Council for the proposed activity?** | | |
|---|---|---|
| ***(state where in the AEE the information can be located)*** | **AEE Page Number** | **Section** |
| State what consent is required, and whether they have been applied for. | | |
| Give an assessment of whether there are any permitted activities that are part of the proposal. If there are other permitted activities involved how they meet the permitted standards for the rule. | | |

## Site sediment and erosion control

*Depending on the scale and significance of the proposal, the application may include an Erosion and Sediment Control Plan (ESCP) that gives full details of the measures proposed to ensure that sediment discharge to water and off-site effects of dust are avoided as far as practicable.*

*The ESCP shall as a minimum be based upon and incorporate all the relevant principles and practices for the activity applied for and contained within the Waikato Regional Council document titled "Erosion and Sediment Control – Guidelines for Soil Disturbing Activities"; and, shall include but not necessarily be limited to, the following:*

- *a) Details of all principles, procedures and practices that will be implemented to undertake erosion and sediment control to minimise the potential for sediment discharge from the site, including flocculation if required;*
- *b) The design criteria and dimensions of all key erosion and sediment control structures;*
- *c) A site plan of a suitable scale to identify;*
  - *i) The locations of waterways;*
  - *ii) The extent of soil disturbance and vegetation removal;*
  - *iii) Any "no go" and/or buffer areas to be maintained undisturbed adjacent to watercourses;*
  - *iv) Areas of cut and fill;*
  - *v) Locations of topsoil stockpiles;*
  - *vi) All key erosion and sediment control structures;*
  - *vii) The boundaries and area of catchments contributing to all stormwater impoundment structures;*
  - *viii) The locations of all specific points of discharge from the work area to the environment; and,*
  - *ix) Any other relevant site information.*
- *d) Construction timetable for the erosion and sediment control works and the bulk earthworks proposed;*
- *e) Maintenance, monitoring and reporting procedures;*
- *f) Rainfall response and contingency measures including procedures to minimise adverse effects in the event of extreme rainfall events and/or the failure of any key erosion and sediment control structures;*
- *g) Procedures and timing for review and/or amendment to the erosion and sediment control measures listed in the ESCP; and,*
- *h) Identification and contact details of personnel responsible for the operation and maintenance of all key erosion and sediment control structures.*

*The ESCP must include a plan of the site and detailed illustrations/descriptions for the construction, placement and management of sediment controls. It must also include the reasons why a particular control method is appropriate. For example, where a sediment pond is proposed accompanying information is expected to include pond dimensions, calculations showing the pond will work effectively, materials used, stabilisation methods used, other control methods within the pond and why these have been used over others (e.g. Floating T bars, Level spreading bars, Geotextile cloth on external wall to stop erosion, Goose neck pipes).*