

APPLICATION FOR RESOURCE CONSENT

FORM B: BRIDGE, CULVERT OR OTHER INSTREAM WORKS



NOTES

Resource use activities must meet all the conditions of any relevant Permitted Activity Rules in the Waikato Regional Plan or a resource consent from the Waikato Regional Council is required. This form will help you apply for a resource consent.

- You must fully complete this activity form and supply all the required information. Provide as much detail as you can where the questions are relevant to your activity. We request that, where possible, you provide electronic copies of any supporting information (for example, on CD). Doing so may reduce administrative costs charged to you.
- You must also supply completed Forms A and C.
- **You must pay the required initial deposit when you submit this consent application.**
- Failure to provide the required information and payment will delay the processing of your application. If you do not provide adequate information then we will not be able to process your application, and will return it to you. If you do not pay the required fees, we may stop processing your application until payment is received.

FOR OFFICE USE ONLY

File:

Client ID:

Project:

**If you need any further help,
please phone our Resource
Use staff on 0800 800 401.**

LOCATION

1. **What is the name of the nearest waterbody to the activity? (if the waterway is a drain or an unnamed stream, then what is the name of the stream, river, lake or wetland that it flows into)**

2. **If known, please supply relevant map coordinates of the activity or activities, preferably as New Zealand Transverse Mercator 2000 (NZTM2000 references). These locations must also be clearly identified on the location map you have supplied with Form A**

TYPES OF RESOURCE CONSENT SOUGHT

3. **The resource consents sought relate to the following activities**

Please tick	Previous consent number
<input type="radio"/> Culvert	
<input type="radio"/> Bridge	
<input type="radio"/> Other instream works (For example, bank stabilisation works, retaining works, jetties and any other structures which pass over a waterway and any other works which require work in, on, under, or over the bed of a waterway except dams and diversions).	

If other instream works, please state the nature of the works:

NATURE OF THE PROPOSAL

The Waikato Regional Council requires the following information for an assessment of your resource consent application(s). Completing all of the information requested will ensure your application is processed as quickly as possible and at minimum cost. Staff assessing your application(s) will inform you if any points need further clarification.

4. Include with this application form labelled photographs of the site in its present form which include:

- any existing structures at the site
- the view of the waterway downstream of the site
- the view of the waterway upstream of the site
- for existing dams: upstream batter, downstream batter and crest
- for diversions: the stream and its banks where it will be affected by the works.

5. Please describe the purpose of the bridge, culvert or other works:

6. Please describe the general design of the structure or works required in the watercourse, the materials to be used, and the construction methods to be employed, what compaction will be undertaken, for example:

7. If there are engineering plans of the proposed structure or plans of the works please enclose a copy with the application. Please include your own diagram on a separate page, if this will assist in describing the proposal, and attach it to this application form.

8. Have any alternatives been considered when planning the proposal?

Yes, please explain

No

9. Please describe the current nature of the waterway at the proposed site for the works:

Water colour/clarity	
Flow	
Bed material (for example, rocky, silty)	
Bank material	
Vegetation	
Erosion	
Fish and invertebrate life	
Other	

10. What is the catchment area upstream of the proposed location for the works? (If unknown then please ensure that the location of the activity is marked clearly on an enclosed plan or map)

ha

acres

km²

(tick the units you use)

11. Please describe the extent of tracking to be undertaken in relation to this proposal.

(Note: if the tracking works are significant, or on steep or erosion prone land, then an additional application may be required for a landuse consent – please contact staff of the resource use group to confirm your requirements.)

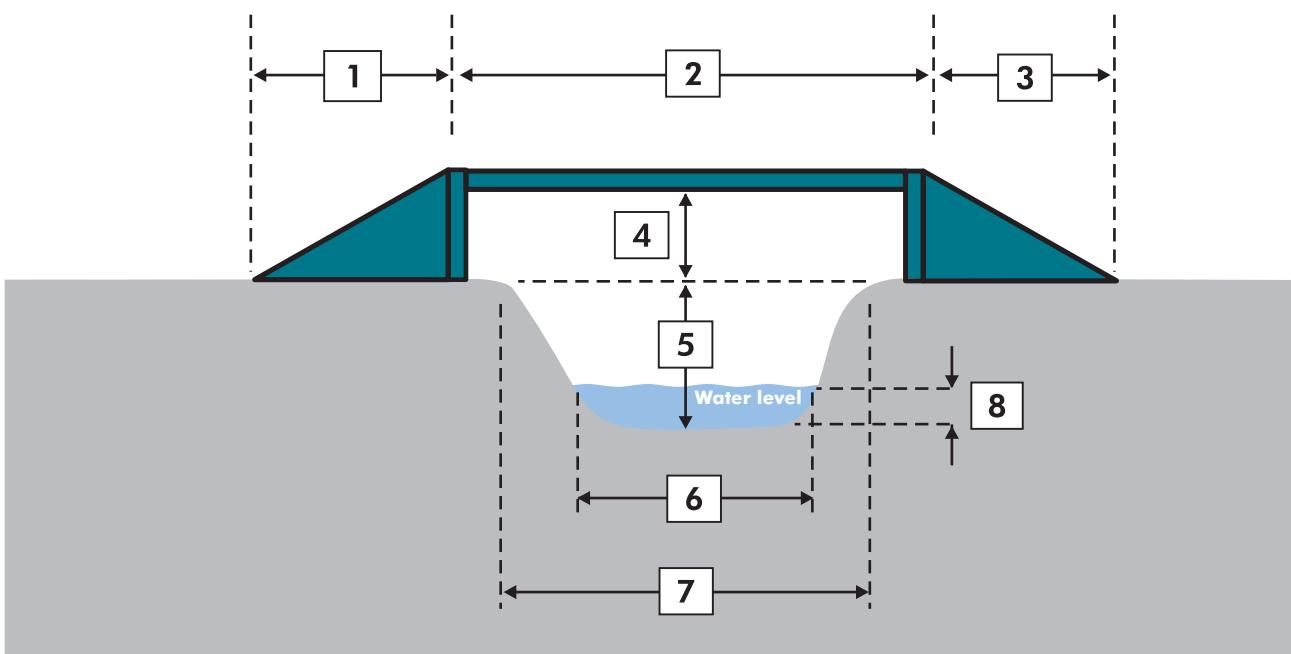
12. Please describe the extent of vegetation removal to be undertaken in relation to this proposal.

(Note: if vegetation removal works are significant, or contain a significant area of indigenous vegetation, or will be on steep or erosion prone land, then an additional application may be required for a landuse consent – please contact staff of the resource use group to confirm your requirements.)

13. Will the abutments of the bridge be outside the banks of the waterway, in the banks of the waterway or in the bed of the waterway? Please explain:

14. Please fill in the dimensions shown on the diagram in the list below (if the bridge design is different from that below please include a diagram showing all dimensions).

Note: bridges which are multiple span require engineering drawings to be included with the application):



1	Length of bridge approach	m
2	Length of bridge	m
3	Length of bridge approach	m
4	Height of bridge underside above natural ground level	m
5	Height of natural ground level above stream bed	m
6	Bed width of stream channel	m
7	Top width of stream channel	m
8	Average depth of water in the stream	m
	If there is to be a spillway, please indicate its dimensions	m
	Depth of spillway	m
	Width of spillway	m

CULVERT CONSTRUCTION, PLACEMENT AND USE

15. What is the proposed culvert to be made of?

16. What is the length of the culvert you intend to place in the stream?

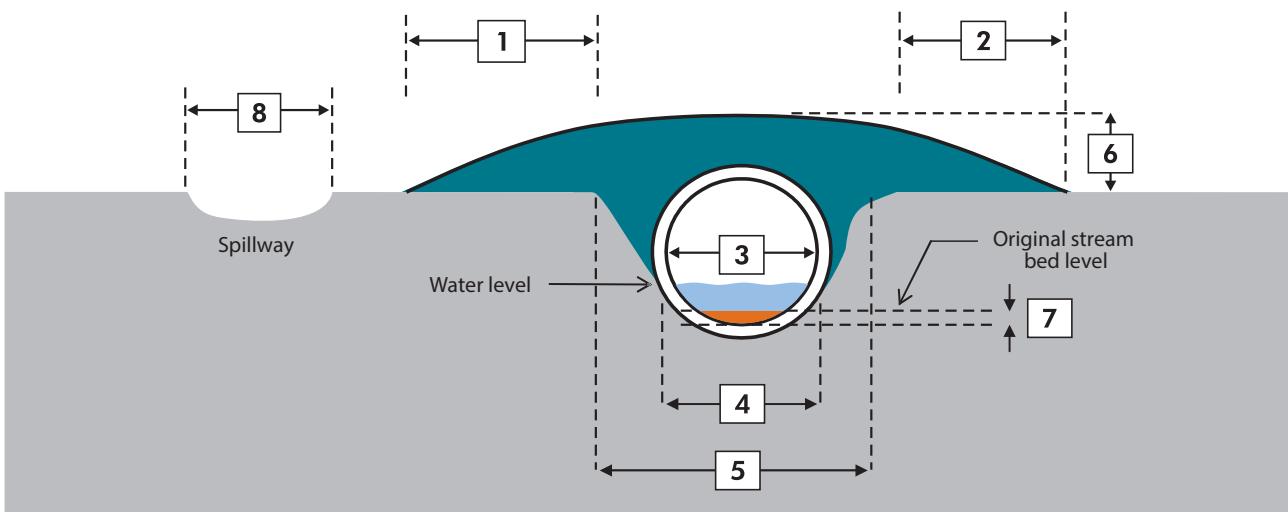
17. At what gradient will the culvert be laid in the stream bed? (if at same gradient as existing stream bed then please state this.)

18. If a spillway is included in the design then please describe. (Spillway is to be a minimum of 0.5 m deep.)

Gradient:	Surface material (for example, rocks, grass):
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19. What is the proposed fill material to be used over the culvert?

20. Please fill in the dimensions shown on the diagram in the list below. (If the culvert design is different from that shown below please include a diagram showing all dimensions.)



1	Length of culvert approach			m	
2	Length of culvert approach			m	
3	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			m	

OTHER INSTREAM WORKS

Examples of other instream works: bank stabilisation works, retaining works, structures which pass over a waterway and any other works which require work in, on, under, or over the bed of a waterway except dams and diversions.)

21. Please fully describe your proposal including the following details (attach separate sheets if you run out of space below):

- detailed diagram of the works with all dimensions
- description of the nature of structure/works to be undertaken
- the extent of the works (length and width of the bed and banks that will be affected by the works)
- how will the works be undertaken (for example, will it involve machinery operating within the stream or on the stream banks?)
- time of year works are to be carried out and duration of the works.

ASSESSMENT OF ENVIRONMENTAL EFFECTS AND MITIGATION MEASURES

Information on the actual and potential effects of your proposal activity and what will be done to avoid, remedy or mitigate (minimise) the effects of your activity is required by the Resource Management Act 1991.

22. Water quality

Construction of structures in or over a waterway has the potential to affect water quality. Contamination can come in the form of sediment runoff, building debris, machinery fuels and other objects or chemicals entering the waterway. This can affect the uses that the water is suitable for, fish migration and aquatic life and their habitats.

What are the actual and potential effects of your proposed activity in terms of water quality and how do you propose to avoid or minimise these effects?

Exposure of bare soil from vegetation clearance and excavation works associated with construction may result in runoff of sediment to the waterway when it rains.

What works are proposed to minimise and control sediment runoff?

23. Machinery

Machinery in or on the banks of a waterway has the potential to affect the waterway in many ways. Contamination can arise from sediment, fuel and other chemicals entering the waterway. Banks can be eroded by heavy machinery and wildlife habitat can be destroyed by its operation. (Note: if the works are significant in terms of the machinery required then a management plan for the use of machinery during the works may be required as part of the consent.)

Describe the extent to which machinery is required to undertake your activity and whether machinery is to enter the waterway. How do you propose to minimise the effects of machinery near or in the waterway?

24. Fish passage

Placement of structures in a waterway has the potential to affect the passage of fish past a structure due to alterations to water flow, and physical barriers to fish passage.

What are the actual and potential effects of your proposed activity in terms of fish passage and how do you propose to avoid or minimise these effects?

25. Erosion

Placement of structures in the bed or banks of a waterway can cause or increase erosion due to changes in water flow velocities and water flow paths and through the removal of vegetation associated with the works.

What are the actual and potential effects of your proposed activity in terms of erosion and how do you propose to avoid or minimise these effects?

26. Neighbours and other people

Other people may be affected by the construction or placement of a structure in a waterway. Effects can be changes in water flow velocities, restricted water flow causing upstream ponding or flooding, changes in water quality and effects on cultural, heritage and archaeological values. People may be particularly affected if they take water downstream or use the water recreationally. See the consultation section of this application form – all affected or potentially affected parties should be consulted regarding your proposal.

What are the actual and potential effects of your proposed activity in terms of effects on other people or groups and how do you propose to avoid or minimise these effects?

27. Other effects

Are there any other actual or potential effects of your proposed activity and how do you propose to avoid or minimise these effects (for example, visual effects, other physical effects)?

CONSULTATION

Identify and consult with any parties that may be potentially affected by or interested in your activity. This generally involves your immediate neighbours. It may also include local authorities, iwi and interest groups such as local recreational and care groups. If you are in doubt about who you should be talking to, then call Waikato Regional Council staff.

Make sure you provide everyone with sufficient information that they can fully understand what it is you want to do and how they may be affected by it. This could include a copy of this application form once it is completed and and/or any plans or maps. Make sure you make yourself available to explain the application, answer any questions and discuss options for resolving any concerns.

28. Identify the parties that may be affected by or interested in your discharge activity and consent application

Party details/relationship <i>(such as neighbour, local iwi, interest group)</i>		
Contact person		
Postal address		
Phone number/s	Home:	Business:
	Mobile:	

Party details/relationship <i>(such as neighbour, local iwi, interest group)</i>		
Contact person		
Postal address		
Phone number/s	Home:	Business:
	Mobile:	

Party details/relationship <i>(such as neighbour, local iwi, interest group)</i>		
Contact person		
Postal address		
Phone number/s	Home:	Business:
	Mobile:	

Other affected or interested parties**29. Provide details of your consultation**

Provide details about the consultation you have undertaken, or explain why consultation was not considered necessary. If possible you should provide written comment or approval from those you have identified. A consultation form is provided at the end of this form that will help you with this. Photocopy off a separate form for each party identified. Otherwise, make sure you let us know:

- who you consulted with
- how we can contact these people
- their relationship to you (for example, neighbour, local iwi, interest group)
- any concerns they may have about your activity, and how you intend to avoid or mitigate (lessen) these effects.

FINAL CHECKLIST**30. Have you? (please tick)**

- Filled in all parts of this form (Form B) that are relevant to your activity, provided all the information required, and completed and attached any other related activity forms.
- Completed and attached Forms A and C.
- Applied for any district council consents that are also required for your proposal.
- Consulted with all interested and affected parties, and included their comments and/or written approval (if possible).
- Included or paid the required deposit fee for this application.

CONSULTATION FORM

PHOTOCOPY THIS FORM FOR EACH PERSON OR GROUP TO BE CONSULTED

Applicant	
Description of proposal	

Person/group consulted in regard to this proposal

Name of contact person	
Name of group	
Postal address	
Street address	
Email address	
Contact number/s	phone:

Consulted party's views on the proposal (to be completed by person/group consulted)

If you would like the Waikato Regional Council to know your views on the applicant's proposal, and/or if you consider you may be adversely affected, please indicate your views below (attach additional pages if necessary). Consider the following: How do you consider you will be affected? How would you like the applicant's proposal to be modified to take account of your views? What other comments do you have on the proposal that you would like the Waikato Regional Council to consider in making a decision on these resource consent applications?

Applicant's response to views of consulted parties (to be completed by applicant)

Please indicate how your proposal can be modified to take account of the views of the party you have consulted with (or why the proposal may not be able to be modified to take account of those views).

Consulted party's response to the proposal (to be completed by person/group consulted) *Please tick one only*

I/We give my/our approval for the proposal I/We do not give my/our approval for the proposal

I/We are not affected by this proposal

Signed _____ **Date** _____