

Sediment Management

Fact Sheet

Diversion Channels & Bunds

Purpose

Please use this *As Built* Fact Sheet to assist you in the preparation of Diversion Channels & Bunds on site.

The following check list has been included with your Land Use Consent: Sediment Control or Works in a Watercourse to provide assistance in both constructing Diversion Channels and Bunds and providing, to the Auckland Regional Council, As-Builts in accordance with your approved consent conditions and/or TP90 guidelines.

How to use this form

This table below identifies key TP90 specifications and should be used to assist in the preparation of As-Builts for Diversion Channels and Bunds.

DIVERSION CHANNELS/BUNDS
Site gradient
Armouring required
Erosion proof outfall
Directs flows to treatment device/ off site
Designed for a 5% AEP rainfall event (plus freeboard)
Bund – compacted and stabilised
Bund a minimum of 550mm high & 2m wide
Diversion inlet 3:1 or flatter
Diversion embankment 2:1 or flatter
Diversion channel width 1.0m minimum

Please provide surveyed As-Builts or scaled drawings of As Built, which include the above details for Diversion Channels and Bunds. As-Builts are to be provided prior to bulk earthworks commencing and are to be signed off by a suitably qualified and experienced person confirming that all installed channels and bunds comply with the ARC's TP90 guidelines or approved alternatives.

An example of a suitable As Built for a Diversion Channel & Bund can be found on the back side of this fact sheet.

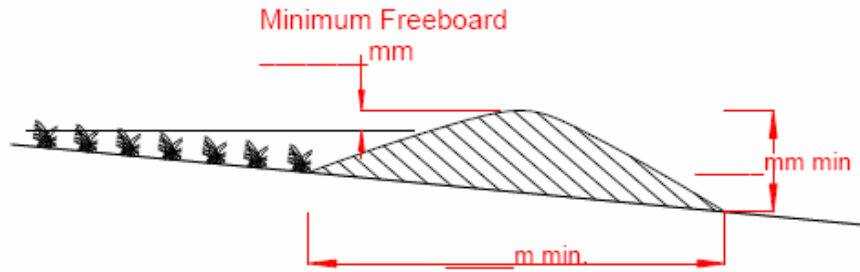
Please Remember

*As- Built*s are to be provided to the ARC prior to bulk earthworks commencing

***As- Built*s are not approved by the ARC. Responsibility for construction of the structures and accuracy of the As Built**s rests with the certifying agent. This list is not exhaustive and should be used to highlight some of the key TP90 requirements.

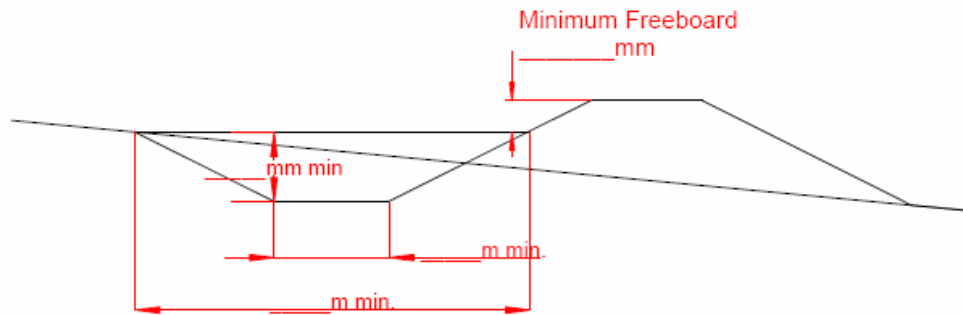
Example

Scaled Drawing As Built – Diversion Channel & Bund



Diversion Bund Detail

- Catchment Area _____
- ARI 20 Peak Flow _____
- Minimum Bund Height _____
- Average Slope _____
- Average slope above bund _____
- Diversion Capacity _____



Diversion Drain Detail

- Catchment Area _____
- ARI 20 Peak Flow _____
- Minimum Channel Top Width _____
- Minimum Channel Bottom Width _____
- Minimum Channel Depth _____
- Average Channel Slope _____
- Diversion Capacity _____
- Channel Stabilisation (type) _____

As- Builts are not approved by the ARC. Responsibility for construction of the structures and accuracy of the As Builts rests with the certifying agent. This list is not exhaustive and should be used to highlight some of the key TP90 requirements.