

KEY TO SITE DIAGRAM

Clean Water Diversions

Water from a channel can be discharged to areas of vegetation. They can be used to divert water to other sediment retention devices providing they are all located on the same site as the work.

Minimise Exposed Areas

Expose only as much ground as needed at any one time. Topsoil and regrass/revegetate exposed ground or cover with a mulch as soon as possible.

Cover Stockpiles

Materials from trenching and evacuation should be stockpiled away from low points, run off channels or kerbs and surrounded by silt fence at low points to trap material.

Maintenance and Inspections

Ensure sediment controls are regularly checked and cleaned out as required to prevent buildup of sediment and failure.

Silt Fences

A silt fence is a temporary barrier of filter cloth (woven geotextile fabric) used to intercept sediment laden runoff from small areas of soil disturbance. The filter cloth is anchored to the slope firmly by burying it or using large rocks to secure it. Plastic or wire mesh or similar can be used to reinforce silt fence cloth. Shade cloth is not an acceptable filter cloth. Silt fence cloth can be purchased from major building suppliers.

Site Works

Concrete washings, water blasting, equipment washing, concrete and tile cutting – these works can all pollute waterways unless care is taken. These products cause problems as they can be highly alkaline, or contain oxides, heavy metals or petroleum products. A wash pit bund should be constructed to capture the discharge from concrete and equipment washings.

Stabilised Entranceway

The stabilised entranceway should be the first works to occur on site, as soil transferred to the roadway by vehicles will be wash into storm water systems.

RELEVANT PROVISIONS

Section 17 (Hazards, Hazardous Substances and Earthworks) of the Dunedin City District Plan

Any resource consent application involving earthworks that do not meet the permitted activity standard for earthworks shall be accompanied by an earthworks management plan/assessment. The plan/ assessment should include the location and extent of assessment should include the location and extent of proposed cuts and fills, the location in relation to any water body (if relevant), the area of vegetation to be removed, and sediment and erosion control measures to be used.

Other Earthworks Controls

The earthworks provisions in section 17 of the District Plan work alongside other mechanisms that control earthworks. The Rural and indigenous Vegetation and Fauna sections of the Plan control the effects of earthworks and other activities on high class soils. Areas of Significant Conservation Value and other areas of coastal habitat, wetland, skink habitat and indigenous vegetation. Certain earthworks may be carried out as part of building work and these will be subject to the New Zealand Building Code and may require a building consent under the Building Act 2004. Other regulatory mechanisms through which earthworks of certain types are controlled include the Historic Places Act 1993, the Regional Plan: Waste for Otago, the Regional Plan: Water for Otago and the Otago Regional Council Flood Protection Management Bylaw 2008.

Please note: The discharge of water from earthworks is subject to other DCC requirements. Refer to the following:

[Stormwater Quality Bylaw - Dunedin City Council](#)

[Trade Waste Bylaw - Dunedin City Council](#)

NEED MORE INFORMATION

Advice on the installation and use of silt and sediment control measures is available by contacting Council officers on (03) 477 4000 or via the Council's official website: www.dcc.govt.nz



Silt and Sediment Control

FOR SMALLER SITES

Dunedin City District Plan Requirements

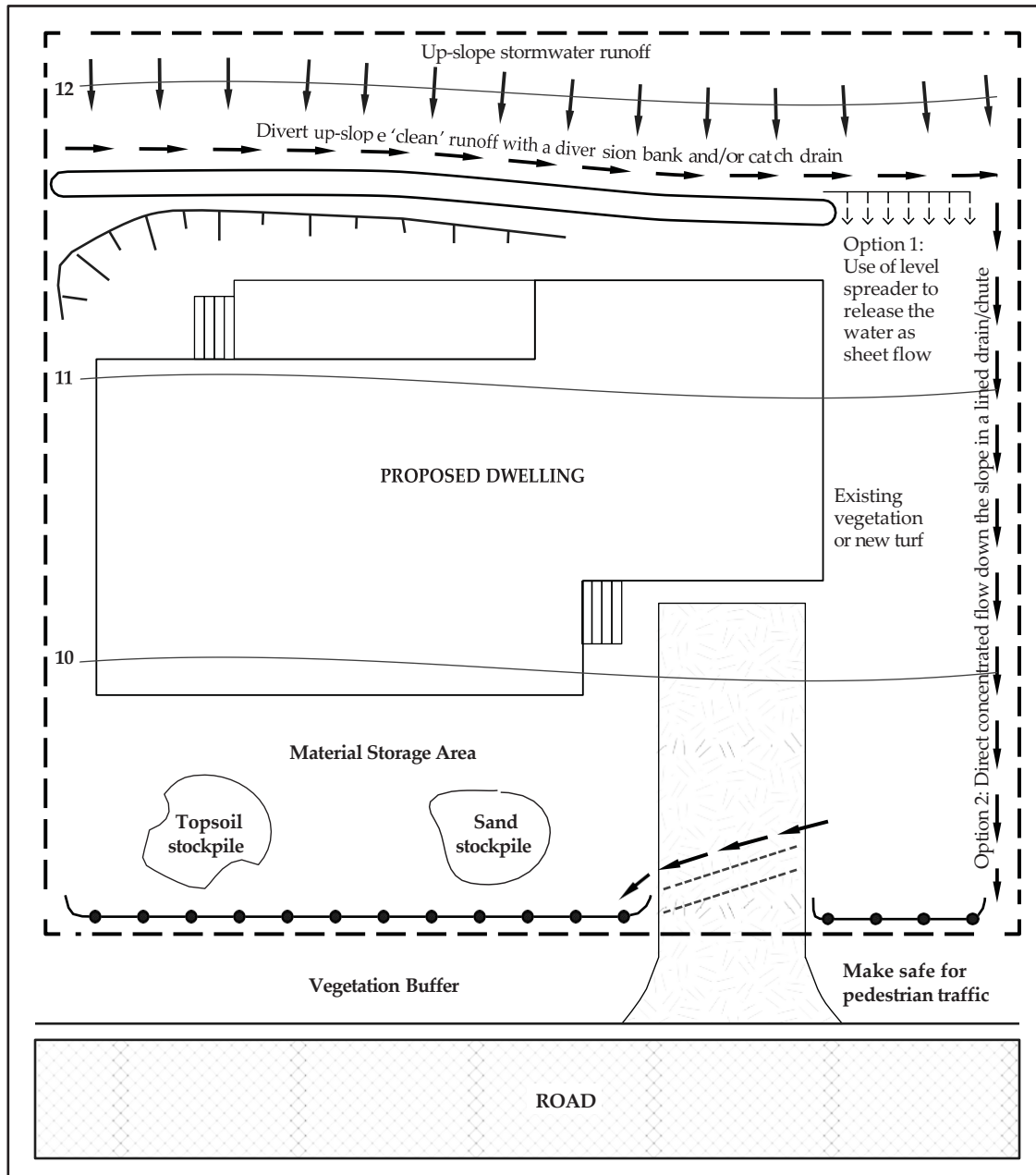
This guide outlines a range of measures to reduce erosion and sediment discharge to our waterways, harbour and coastal waters.

A resource consent will be required for earth works over a certain scale as set out in the Dunedin City District Plan. Regardless of the size of the earthworks, you are required to put in place effective silt and sediment control measures on building and development sites.

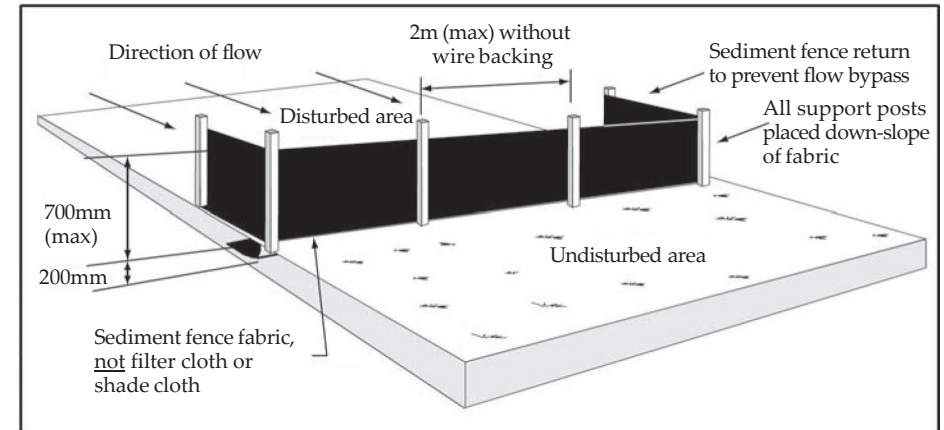
Should appropriate protection measures not be put in place you may be served with enforcement action including an abatement notice, instant fine or reclamation of costs incurred by Council to conduct necessary work.

HOW TO REDUCE EROSION AND SEDIMENT DISCHARGE FROM YOUR SITE

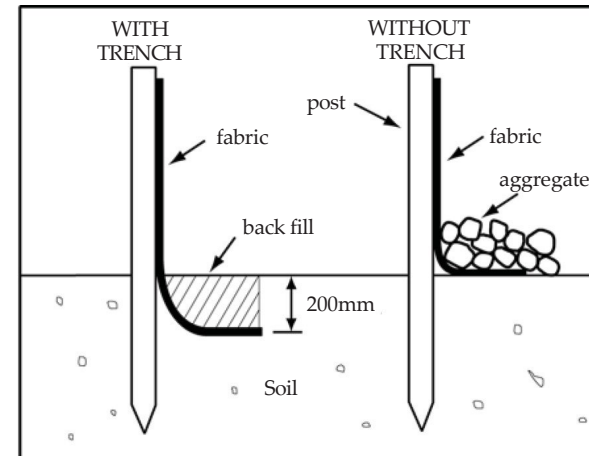
Example erosion and sediment control plan for a small site



Sediment fence construction details



Alternative sediment fence installations



KEY

-----	property boundary		stabilised exit/entry pad		level spreader
————	dwelling site		entry/exit pad bund		contour line
→ → →	diversion drain				sediment fence