

Figure 2: Clean Water Diversion Channel

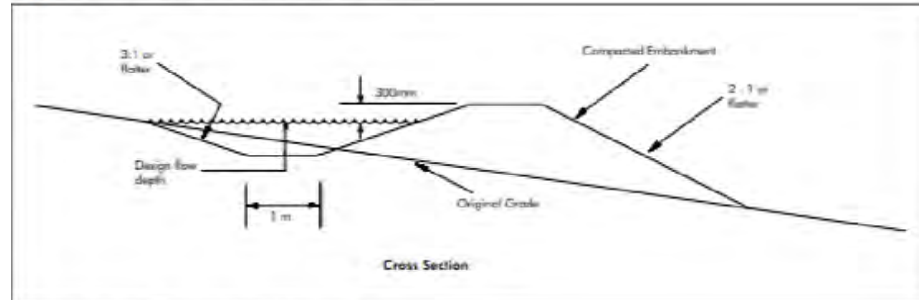


Figure 3: Runoff Diversion Channel

**Table 6: Rock Check Dam Design**

Slope	Spacing Between Dams (m)	
	450 mm Centre Height	600 mm Centre Height
2% or less	24	30
2% to 4%	12	15
4% to 7%	8	11
7% to 10%	5	6
Over 10%	Utilise stabilised channel	Utilise Stabilised Channel

case of grass lined ditches, rock check dams may be removed when grass has matured sufficiently to protect the channel. The area beneath the rock check dams needs to be seeded and mulched or stabilised with appropriate geotextile immediately after removing the dams.

**Maintenance**

While this measure is not intended to be used primarily for sediment trapping, some sediment can accumulate behind the rock check dams. Remove this sediment when it has accumulated to 50 percent of the original height of the dam.

When temporary channels are no longer needed, remove rock check dams and fill in the channel. In permanent channels, remove rock check dams when a permanent lining can be installed. In the

**Table 1: Positioning of Contour Drains**

Slope of Site (%)	Spacing of Contour Drains (m)
5	50
10	40
15	30

**Maintenance**

- Install contour drains at the end of each day.
- Inspect contour drains after every rainfall and during periods of prolonged rainfall.

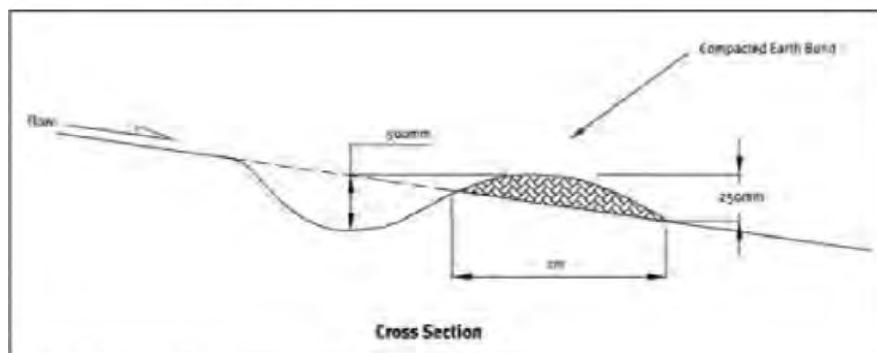


Figure 4: Contour Drain

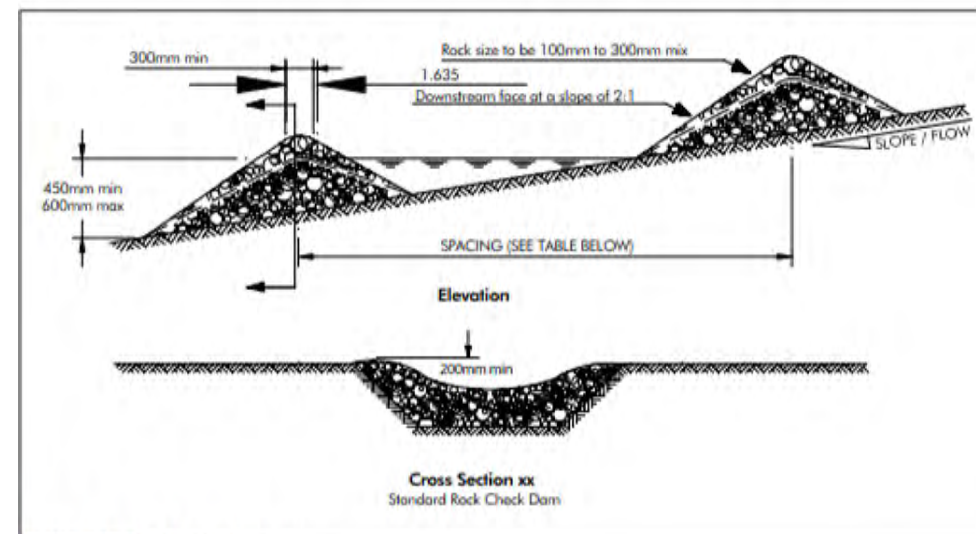


Figure 10: Rock Check Dam

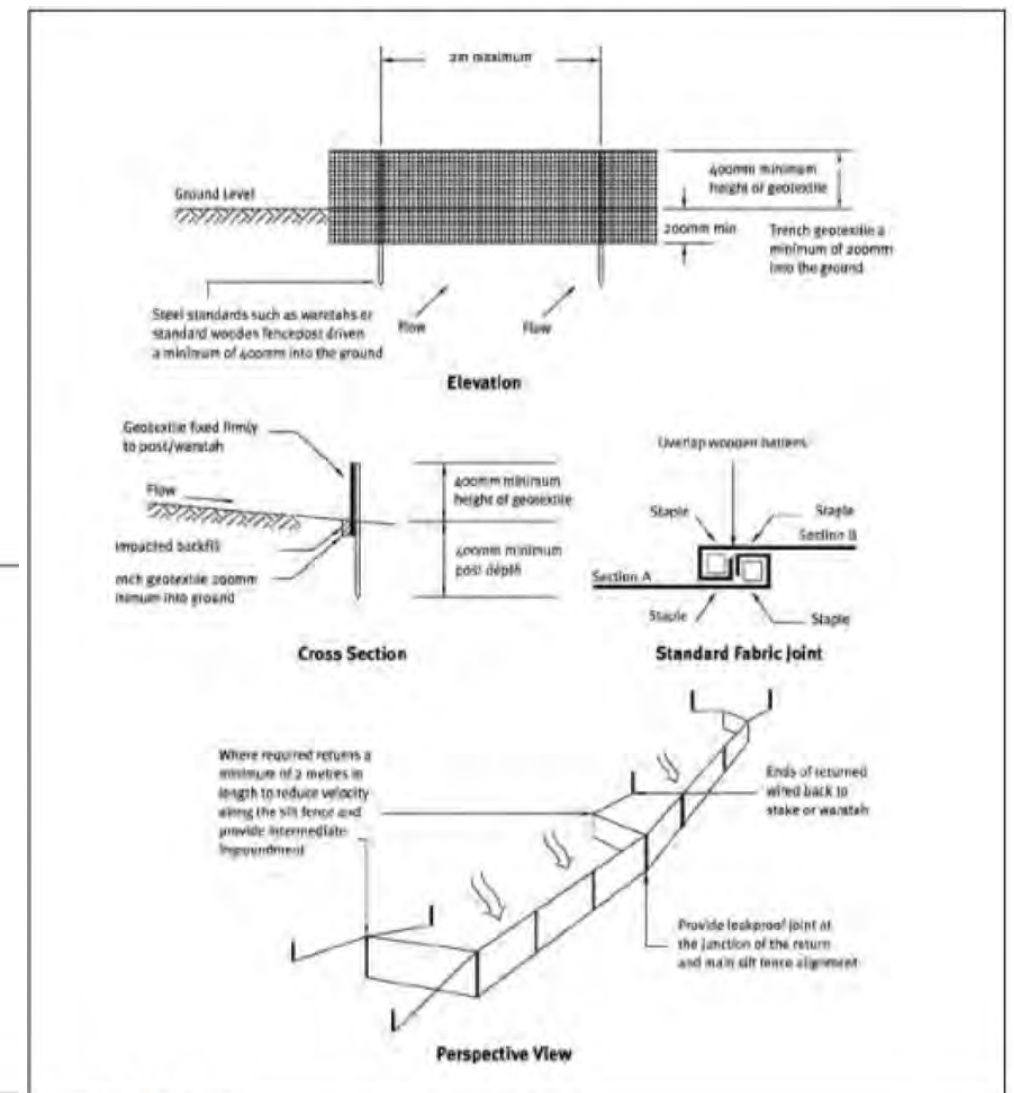


Figure 24: Silt fence



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PROJECT  
**PROPOSED SUBDIVISION AT HARPERS AVENUE OTOROHANGA, FOR NORTHERN KING COUNTRY DEVELOPMENTS LTD**

TITLE  
**EARTHWORKS DETAILS SHEET 3 OF 3**

REV	BY	AMENDMENT	DATE	DRAWN	R.S	APPROVED	R.S
				DATE	01/2018	CAD FILE:	00342-P26-P28.dwg
				JOB NO	00342	DRG NO	P28
				SCALE	NOT TO SCALE	REV	-

