### CHECKLIST 18: Super silt fence

<table>
<thead>
<tr>
<th>Contractor:</th>
<th>Date:</th>
<th>Consent number:</th>
<th>Site:</th>
<th>Time:</th>
</tr>
</thead>
</table>

#### Construction checklist
- Check back to ‘Super silt fence’ section for full information. Also see the Figures over the page.
- Super silt fence material suits the site conditions and is used to the manufacturer’s specifications
- Super silt fences are installed along the contour
- There is a trench at least 100 mm wide and 200 mm deep along the proposed line of the silt fence
- Support posts/steel waratahs used are at least 1.8 m long and 2–4m apart
- Support posts/waratahs are installed on the downslope edge of the trench, with silt fence fabric on the upslope side of the support posts to the full depth of the trench. The trench is backfilled with compacted soil
- Tensioned galvanised wire (2.5 mmHT) is installed at 400 mm and again at 800 mm above ground. The wire has been tensioned using permanent wire strainers attached to angled waratahs at the end of the super silt fence
- Chain link fence is secured to the fence posts with wire ties or staples, ensuring the chain link fence goes to the base of the trench
- Two layers of geotextile fabric are secured to the base of the trench (at least 200 mm into the ground), with compacted backfill installed to the original ground level

<table>
<thead>
<tr>
<th>Yes ✓</th>
<th>No ✗</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Add comments to explain)</td>
<td></td>
</tr>
</tbody>
</table>
## Super silt fence design criteria

<table>
<thead>
<tr>
<th>Slope steepness (%)</th>
<th>Slope length (m) (maximum)</th>
<th>Spacing of returns (m)</th>
<th>Silt fence length (m) (maximum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–10%</td>
<td>Unlimited</td>
<td>60</td>
<td>Unlimited</td>
</tr>
<tr>
<td>10–20%</td>
<td>60</td>
<td>50</td>
<td>450</td>
</tr>
<tr>
<td>20–33%</td>
<td>30</td>
<td>40</td>
<td>300</td>
</tr>
<tr>
<td>33–50%</td>
<td>30</td>
<td>30</td>
<td>150</td>
</tr>
<tr>
<td>&gt; 50%</td>
<td>15</td>
<td>20</td>
<td>75</td>
</tr>
</tbody>
</table>

### Construction checklist

Check back to sections 5.4 [link] for full information. Also see the Figures over the page.

Where ends of the super silt fence fabric come together, they are overlapped, folded and stapled/screwed to prevent sediment bypass.

Inspection and maintenance checks are done, recorded and dated, along with any comments.

Note: this is an on-site, self-check list for contractors to use. Keep your completed checklists to show Compliance Officers your set up, monitoring and maintenance, if requested.
Schematic of a super silt fence

- Embed geotextile and netting support 200mm min. into ground (cover with suitable backfill and compact)
- Waratahs or standard wooden fenceposts
- Chain link fencing between posts and geotextile
- Warratah back stays install as extra support where required
- Upper tensioned galvanised wire
- Lower tensioned galvanised wire
- 2nd layer geotextile
- 1st layer geotextile
- Flow}

Elevation

Cross-section

CHECKLIST 18
FIGURES:

Super silt fence