

design guidance for

Access Roads

Fire Service and HGV, overflow car parks, events areas and occasional vehicle routes.

Typical Profile

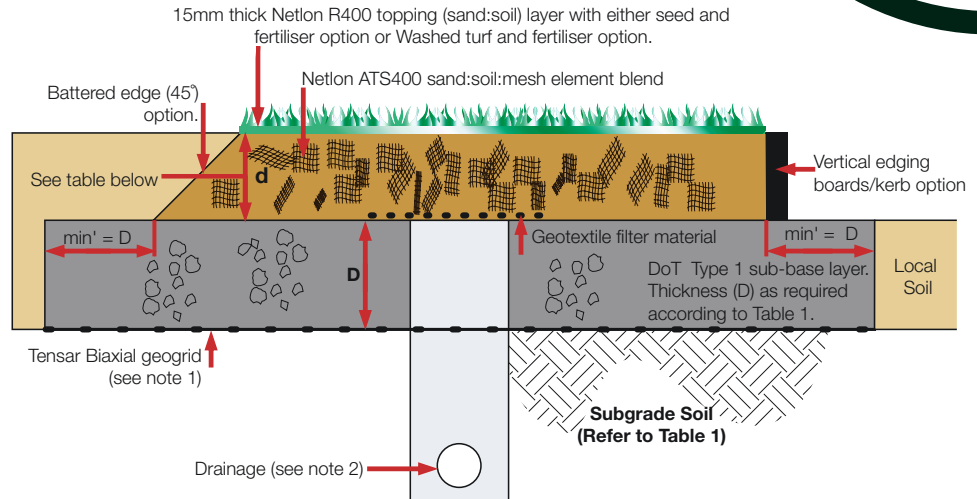


Table 1

Sub-grade Strength CBR%	Required layer thickness in millimetres			Tensar Geogrid
	Netlon Rootzone 'ATS400' (d)	DoT Type 1 sub-base layer (D)		Type
		For Light vehicles	For HGV's	
> 12% (light vehicles)	150mm	No sub-base	NA	None
> 12% (HGV's)	200mm	NA	No sub-base	None
6 - 12%	200mm	No sub-base	No Sub-base	None
4 - 6%	200mm	100mm	150mm	SS20
2 - 4%	200mm	150mm	200mm	SS30
1 - 2%	200mm	250mm	350mm	SS30

A typical vehicle access route profile would consist:

1. A specified seed mix and Netlon installation fertiliser, or washed turf and Netlon installation fertiliser.
2. A 15mm thick layer of Netlon R400 topping (ATS400 minus the mesh) into which the seed and fertiliser are sown.
This topping layer is not required where washed turf is specified, unless there is to be some sports usage.
3. A 150mm or 200mm thick layer of Netlon Advanced Turf ATS400 rootzone, installed according to Netlon recommendations. Refer to Table 1 above for advice on the required ATS400 layer thickness.
- 4a. **Where a sub-base is not required.** Lightly cultivate and re-consolidate the sub-grade formation layer. Refer to Table 1 above to determine if a sub-base layer is required.

OR...

continued overleaf



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Advanced Turf[®]

4b. Where a sub-base is required. A layer of DoT Type 1 sub-base or similar approved material, compacted in accordance with DoT specification for Highway walks. Refer to Table 1 for required sub-base layer thickness.

In some cases where improved drainage is required, a reduced fines Dot Type 1x sub-base may be preferred. Contact Netlon for advice.

Refer to 'Netlon Installation guidance note' for detailed installation advice.

5. Edges of the Advanced Turf can be retained with kerbs or edging boards or by leaving a (45°) battered edge to the Netlon ATS400 rootzone where it abutts an adjacent grassed area.

6. Access routes can be delineated using kerbs, bollards, shrubs or trees etc.

Items 1-3 above are normally supplied to site by Netlon Turf Systems as part of the Advanced Turf System.

Specific project application advice and design support can be obtained from Netlon Turf Systems.

Note 1: If Tensar geogrid is omitted, then the total Sub-base layer thickness must be increased by 50%.

Note 2: Typical drainage details; 100mm diameter perforated pipe drain laid at minimum gradient 1:100, bedded on gravel in trench backfilled with DoT Type A drainage stone, covered with a geotextile fabric and leading to a suitable outfall or soakaway. Drains placed down centres or one edge of access routes up to 5m wide. Wider areas may require additional drains at 5m - 10m centres. Drainage design by specifier based on specific ground conditions on site. Advice is available from Netlon Turf Systems.

Note 3: Specific advice on construction over ground with a CBR less than 1% is available from Netlon Turf Systems.

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