

Proposed Road Construction

Specification

1. Construction of the new road will comply with FORESTRY COMMISSION ROAD SPECIFICATION WITH REFERENCE TO THE DfT HIGHWAYS AGENCY DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB) AND MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS (MCHW) as per Appendix 1 of TTF 'The design and use of the structural pavement of unsealed roads 2014' (see attached; [https://www.forestry.gov.uk/pdf/FC_road_specification_to_DMRB_and_MCHW_140401.pdf/\\$FILE/FC_road_specification_to_DMRB_and_MCHW_140401.pdf](https://www.forestry.gov.uk/pdf/FC_road_specification_to_DMRB_and_MCHW_140401.pdf/$FILE/FC_road_specification_to_DMRB_and_MCHW_140401.pdf), http://www.standardsforhighways.co.uk/ha/standards/mchw/vol1/pdfs/series_0500.pdf and [https://www.forestry.gov.uk/pdf/unsealedroads2014.pdf/\\$FILE/unsealedroads2014.pdf](https://www.forestry.gov.uk/pdf/unsealedroads2014.pdf/$FILE/unsealedroads2014.pdf)).
2. Passing places will be constructed at inter-visible intervals. Passing places will be surfaced to a width of at least 3 m and a length of 20 m with 10 m splays and will be constructed to the same specification as the roadway according to Appendix 1 TTF 'The design and use of the structural pavement of unsealed roads 2014'.
3. Adequate drainage will be provided as follows:
 - a. See attached 'Scottish Natural Heritage - Constructed tracks in the Scottish Uplands' pages 82-83 for cross-sectional diagrams shown below.

Figure 1: Cut track on a gentle slope

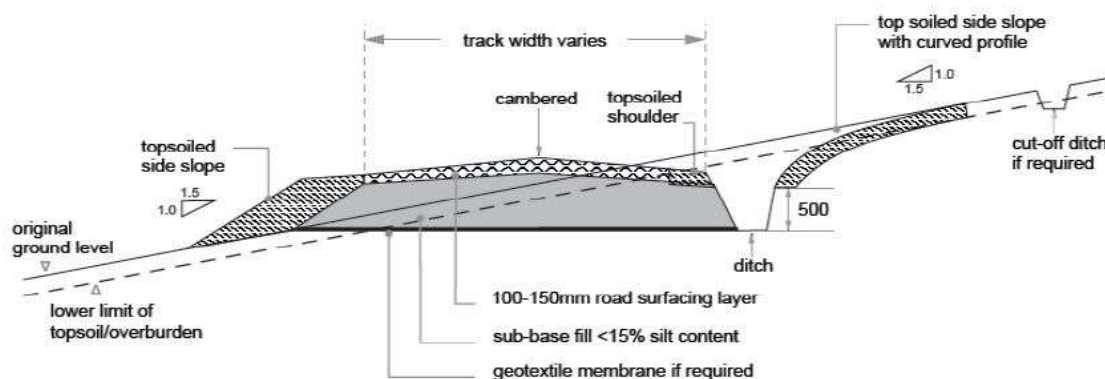
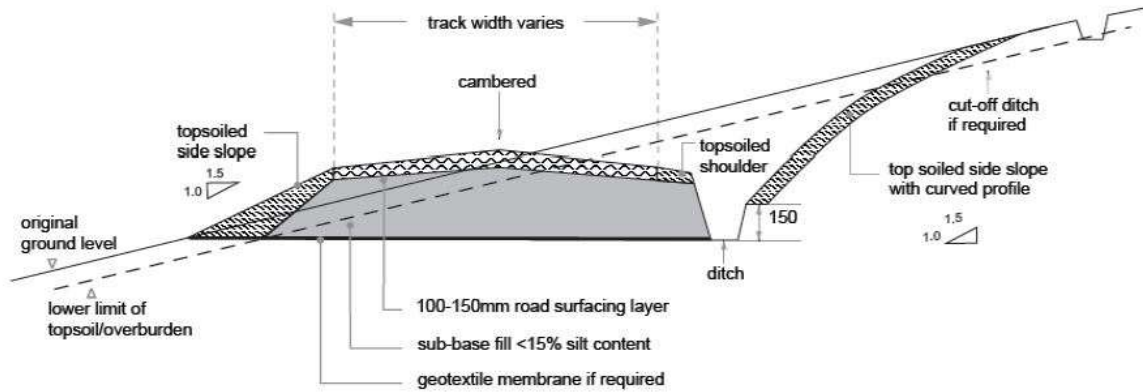
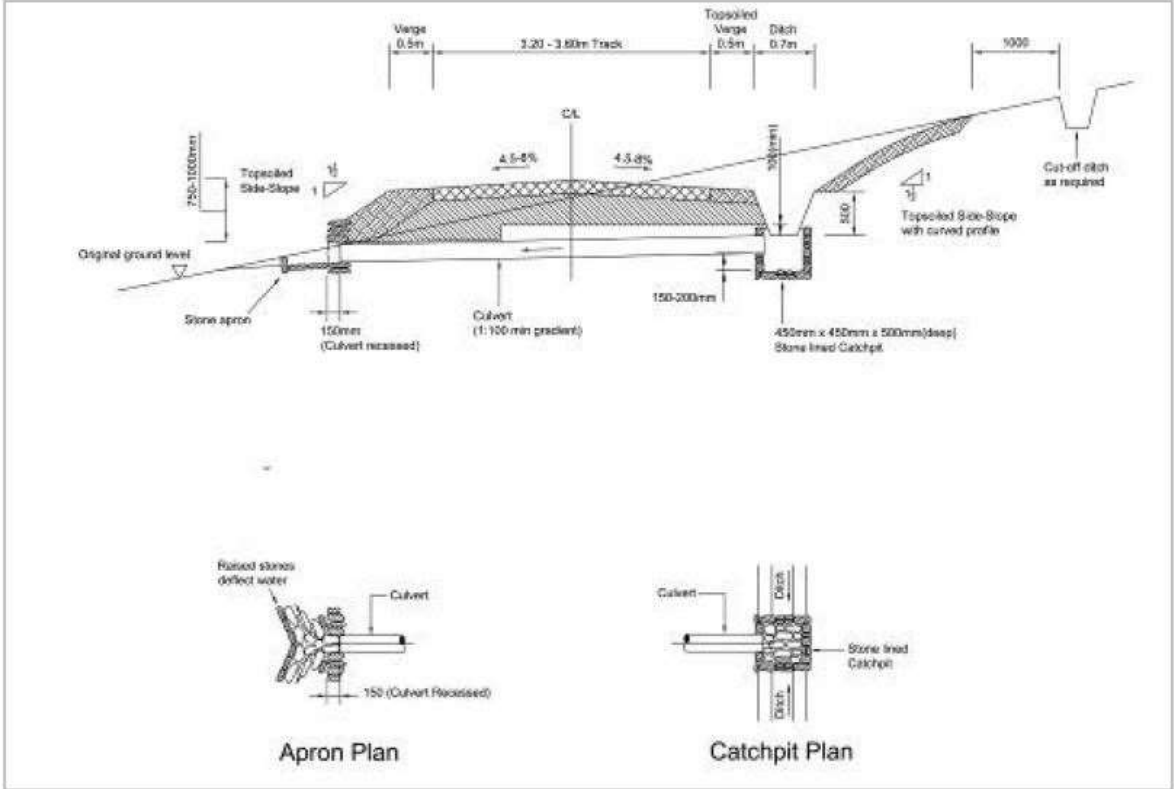


Figure 2: Cut track on a steeper slope



- a. On cross slopes a roadside ditch of not less than 50 cm in depth below formation level is to be cut on the uphill side of the road and cut not closer than 0.5 m from the edge of the metalled surface.
 - b. On level ground, in cuttings or where the formation has been formed by laying, ditches not less than 50 cm in depth must be provided on both sides of the road the distance between their inside edges being 4.6 to 5.5 m. No cutting shall be formed through depressions in soft ground and so leading to ponding in side ditches.
2. Adequate piped culverts are to be provided for all natural water courses and for all depressions into which roadside ditches run according to TTF 'The design and use of the structural pavement of unsealed roads 2014' (see attached). Culverts will be placed at intervals of approximately 100 m according to local topography. No culvert pipe shall be less than 300 mm in internal diameter.
 - a. See attached 'Scottish Natural Heritage - Constructed tracks in the Scottish Uplands' page 101) for cross-sectional diagram shown below

Figure 7: Cross section showing culvert, silt trap and apron



- b. Culverts will be of sufficient length so that road formation material will slope down to the intake and outflow at an angle not greater than 45 degrees. Culvert intakes will be provided with a catch-pit of 1.0 m² to a depth of 0.5 m below the base of the pipe.