Forestry Commission Scotland
Coimisean na Coilltearachd Alba

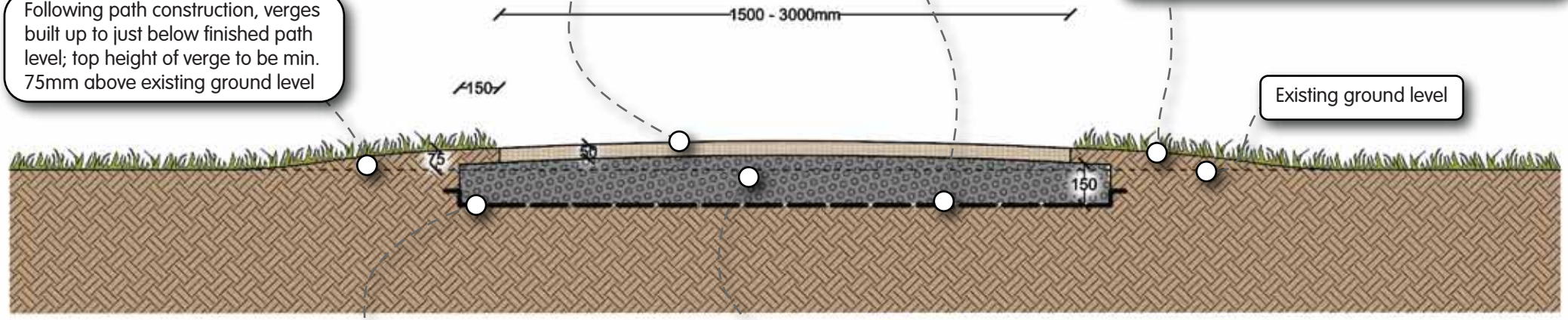
'Self Binding Gravel' Path Standard Detail

Path surface formed from bound gravel laid to a thickness of 50mm after compaction, using a non-vibratory roller or wacker plate so as not to distort the surface; max. 1:40 (2.5%) crossfall or min. 1:50 (2%) camber. Consistent even regularity, to max. 5mm under 3m straight edge.

Geotextile such as 'Terram 2000', 'Lotrak 16/15' or similar approved layed and secured in the formation tray. To lay all base and both sides, sheets overlapped by 1m. Geogrid to be used on top of geotextile if formation layer is soft. Soft spots to be excavated and filled with graded granular sub base.

During construction, stripped turfs and excavated soil to be reused to form verges and stabilise edges. Turf should not impeed surface runoff, with turves set 5mm below finished path level.

Following path construction, verges built up to just below finished path level; top height of verge to be min. 75mm above existing ground level



Existing ground level

Max. tray depth excavation 50mm below ground level, rectangular in section with vertical sides and level base.

Path base to be 150mm depth, formed from DTp Type 1 granular sub base laid and compacted to max. 1:40 (2.5%) crossfall or min. 1:50 (2%) camber. Compacted to refusal using heavy vibrating roller (min. 120 type recommended). Tolerances to be max. gap of 10mm under 3m straight edge. DTp Type 1 material to be from certified source in accordance with structural properties and drainage capabilities, with angular aggregate no greater than 63mm graded down to dust (less than 9% fines); european norm standard being 0/32.

NOTES:

Self-binding gravels come in many different versions such as Breedon Gravel, CEDEC, Finepath, Hoggin, Centrac and Coxwell Gravel. Each have different colours and binding properties depending on mineral and active limestone content. Laying techniques vary and samples and laying technical details to be obtained from local suppliers prior to laying.
This standard detail is indicative only, specific site cases to be considered and documented with the contractor prior to tender/construction.

Scale 1:20 @ A4