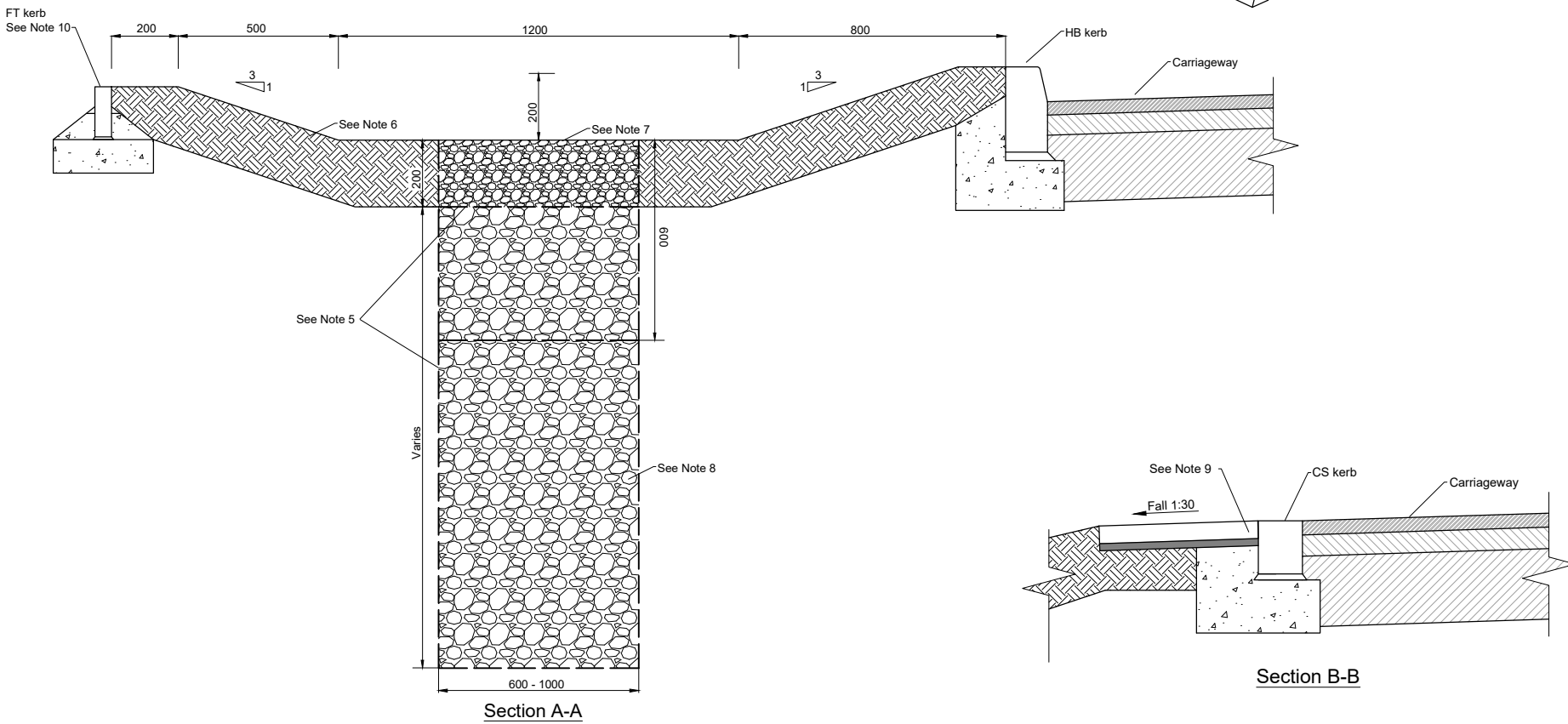
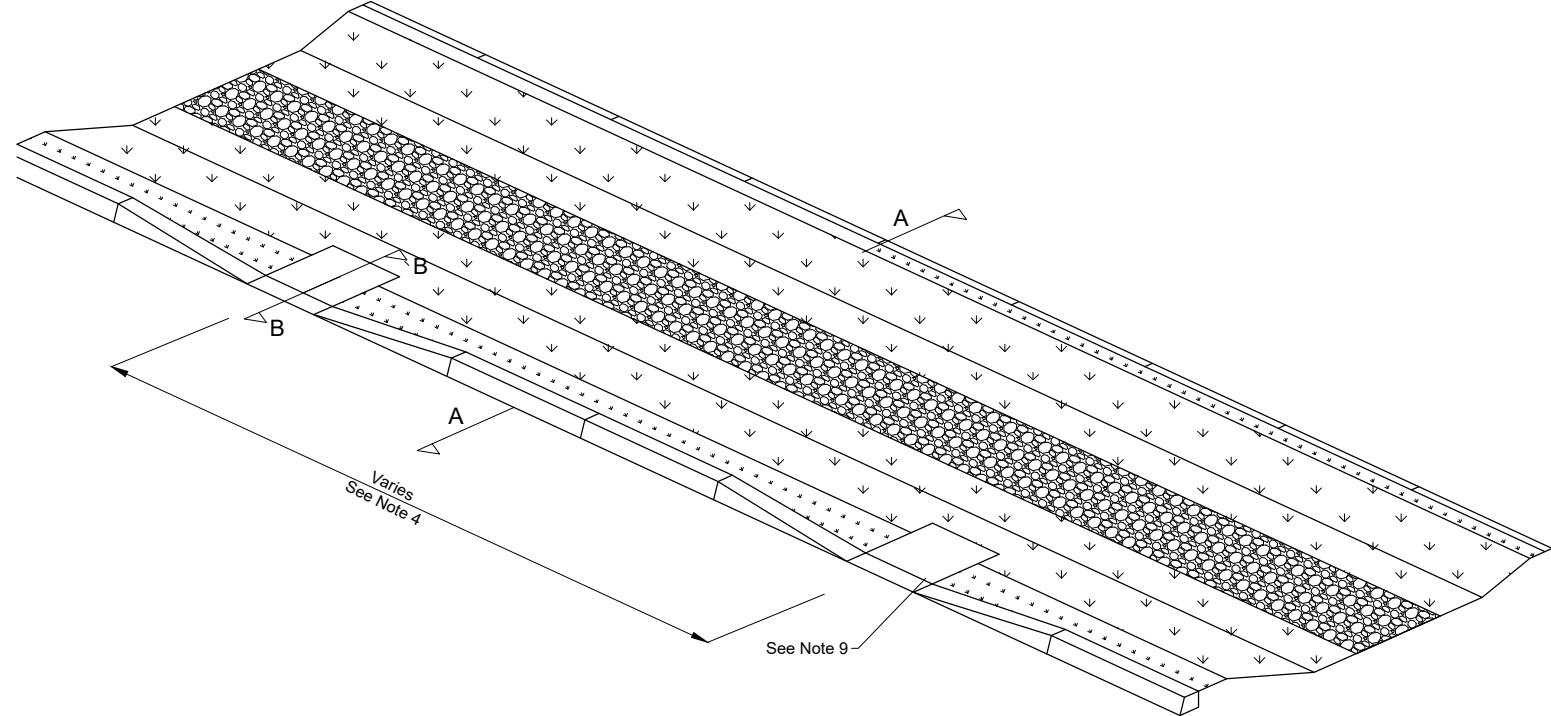


Notes
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- All dimensions in millimetres unless otherwise stated.
- The specification referred to in this drawing is the Specification for Highway Works (SHW) published by T.S.O. (The Stationary Office).
- The dimensions shown are for a standard swale but may be varied to suit individual shapes of watercourse. Dimension X is the external diameter of the pipe. Dimension Z is the cover below finished surface level. Minimum trench width $Y=X+300$ for drains not exceeding 1.5m cover below finished surface $Y=X+450$ for drains exceeding 1.5m cover below surface finished level.
- Spacing to be determined from the requirements of *Design Manual for Roads and Bridges, CD 521 Hydraulic design of road edge surface water channels and outlets*.
- Terram 1000 or equally approved permeable geotextile membrane to completely wrap filter trench. The permeability of the geotextile shall be above 30 litres/m²/sec, to the test method described in SHW Cl 514.4(v). Additional layer to intercept silt at top of Type B material.
- 200mm thick Class 5A or 5B Topsoil to SHW Cl 618. Base and side slopes to be prepared and planted in accordance to SHW Series 3000: Landscape and Ecology.
- Granular Type 1 material 5-10mm nominal size to Clause 803
- Type B filter material to SHW Cl 505.8(ii) and Table 5/5.
- 450 x 450mm concrete slab to control erosion to BS EN 1344 *Clay and calcium silicate pavers for flexible pavements*, laid on a 10mm Class 1 (3:1) sand/cement mortar bed to SHW Cl 2402.
- Limit kerb is a demarcation feature and will not always be present.



Revision Details			
Drawn by	Check by	Check Date	Surfx



Project: Standard details. Series 0500:
 Drainage and service ducts

Title: Standard road drainage wet swale

Scale (at A4): Not to scale

Drawn	JC	Date	03/2024
Checked	CHK	Date	04/2024

Drawing No:	SD/0500/11	Rev:	1
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