



DESIGN DATA	
Element	Summary Requirement
1	Maximum longitudinal slopes 2%
2	Permeable geotextile filter membrane Refer to drainage volume within the specification
3	Under-drainage pipe and flow capacity Perforated (max 10mm dia) PVC Min 150mm dia and min 21s/ha
4	Gravel layer surrounding drainage pipe Min 150mm thick clean gravel to Table 5.7
5	Filter medium in trench Type B Open Graded granular material with minimum porosity of 30%
6	Positioning of inspection chamber 10m to 90m intervals
7	Maximum ground water level Refer to ground investigation volume within the specification
8	Minimum width between silt trap and pipe 0.5m
9	Minimum vegetation height on side silt traps 150mm
10	Minimum depth of filter medium below pipework 0.5m
11	Sacrificial stone filter layer Type B
12	Maximum surface water flow depth 100mm
13	Maximum flow velocity across filter strip surface 1.5m/s
14	Maximum depth of silt build up 75mm
15	Root Zone Refer to landscaping volume within the specification

This is a typical detail and may require conversion to a full scheme specific drawing.

NOT TO SCALE
(all units in millimetres)

Disclaimer Before making use of this detail, any designer or third party must ensure that it satisfies all requirements of the scheme to which it is being applied. Incolnshire County Council accept no responsibility for third party use of this Standard Detail.

Rev:	Date:	Description:	Approved:
AMENDMENT DETAILS:			

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Checked by: -- Approved by: --

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Filter Drain

SD/5/122

Standard Detail Number: Revision Number