Sanifix (M) Sdn Bhd

HDPE Perforated Corrugated Drainage Pipe

Depending on the surface of the formation to be installed a subsoil network part of a rainstorm is immediately conveyed over as storm run-off.The rest percolates into the ground.The ratio of quantity of rainwater seeped through versus the amount run-off is assumed to be the coefficient of permeability. The following table recommends some conservative figures with respect to subsoil design .

Rough guide for depth and spacing for subsoil pipes Vs Soil type

Soil Type	Permeability	Depth (M)	Spacing (M)
Sand	High	0.6 - 0.9	15 - 23
Loamy	Medium	0.9 - 1.2	12 -15
Clayey	Low	0.9 - 1.2	5 - 6

i) The critical factor in determinig maximum drain depth is the depth of the impermeable soil layer .Spacing can differ depending on the soil texture.

ii) A filter sock can be used to prevent the sediment from entering the drainline in some fine sand and coarse soils.

Other than the above the designer has to consider the slope and levelness of the field to be installed with subsoil pipes and the depth of the network.

The amount of water collected in the subsoil system can then be worked out if rainfall intensity for the site is assumed.

Construction

Depending on the servicibility level of the network required and the level of maintenance capacity the designer can opt for the construction details as depicted below :

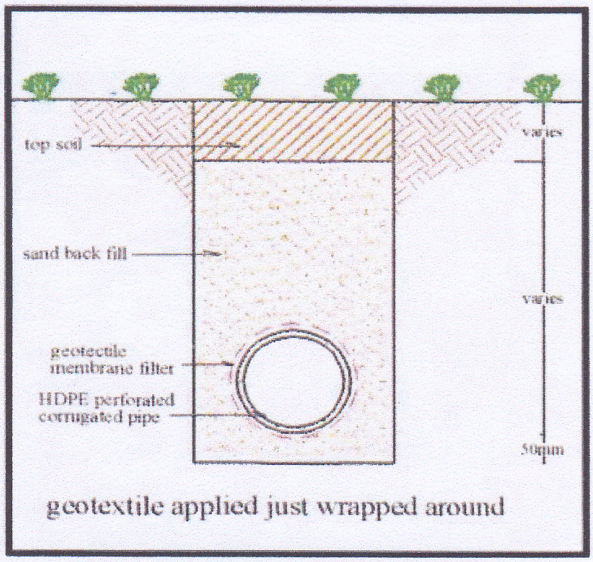


FIGURE 7

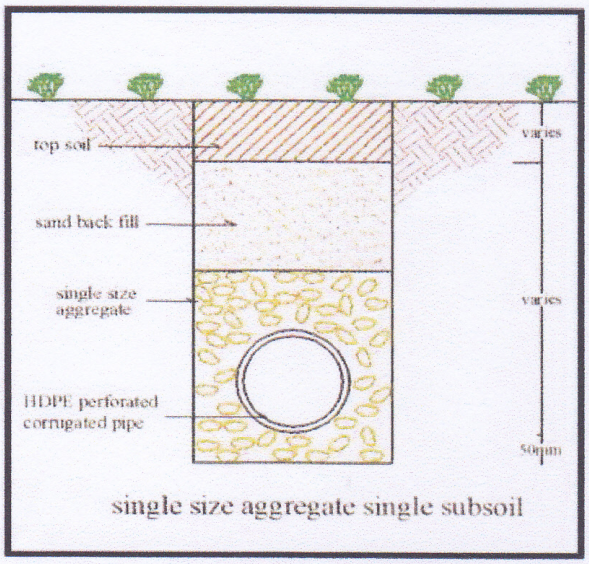


FIGURE 8

Sanifix (M) Sdn Bhd

INTRODUCTION

SkillTrim HDPE corrugated subsoil drainage pipe is make from virgin High Density Polyethylene resin. It is tough,has high strain,chemichally inert to all soils and most chemicals which will ensure many years of trouble free service.

HDPE corrugated subsoil drainage pipe is offered in both perforated and non perforated form.The corrugated profile and the use of High Density Polyethylene produces a pipe with high structural strenght that can withstand high loading and deep burial depths.

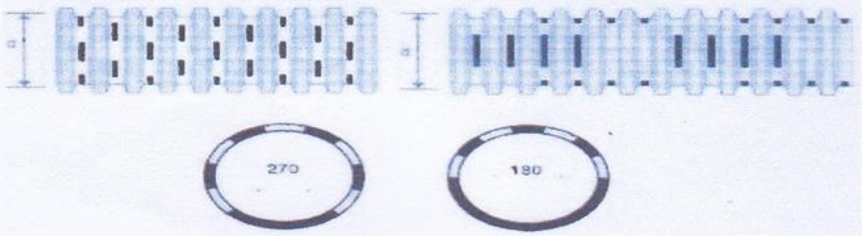
STANDARDS

AS 2439 Part 1 : 1981
Specification for Perforated Plastics Drainage and Effluent Pipe and Fitting,Part 1: Perforated Drainage And Associated Fitting.

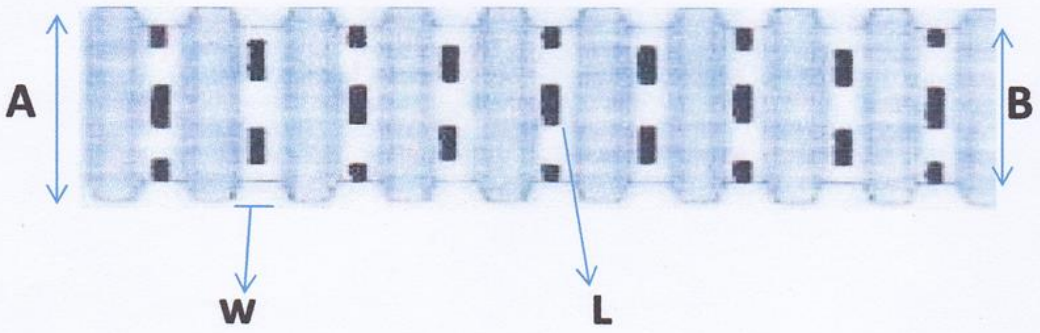
BS 4962 : 1989
Specification for Plastic Pipes and Fittings for use as Subsoil Field Drains.

ASTM F 405 : 1989
Standard Specification for Corrugated Polyethylene (PE) Tubing and Fitting .

PRODUCT DATA



Full Perforatded Half Perforated



Nominal Diameter (MM)	Outside Diameter (MM) - A	Inside Diameter (MM) - B	Peroration Size (MM) - W x L	No of Rows	Water Entrance Area (sq mm/m)
100	115	98	1.2 x 8.0	6	2300
150	171	146	1.5 x 5.0	6	2100

Sanifix (M) Sdn Bhd

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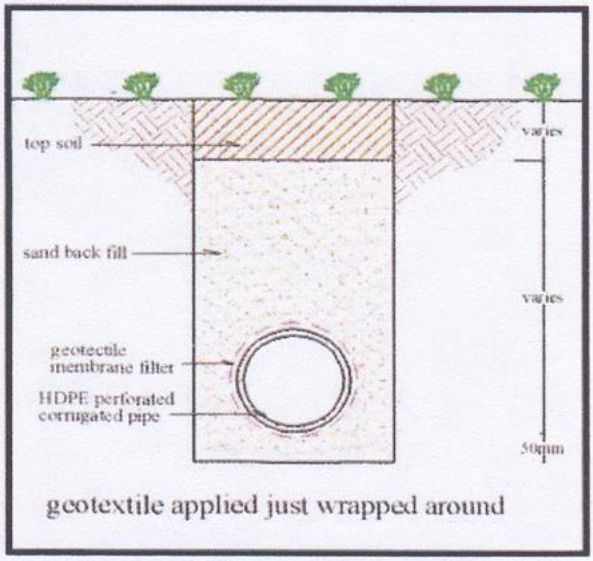

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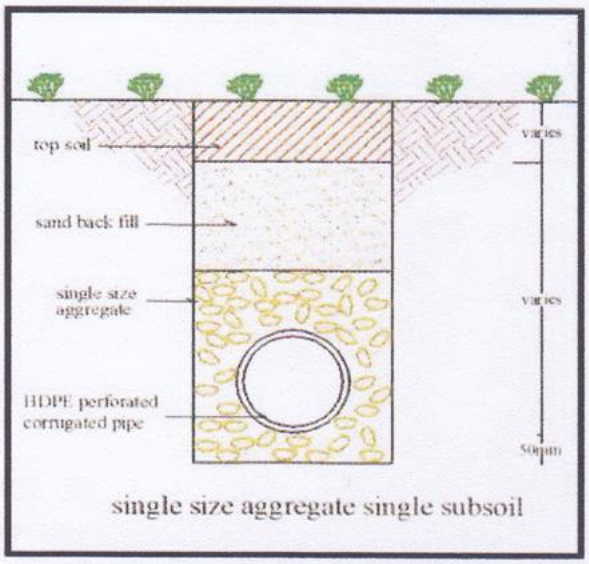

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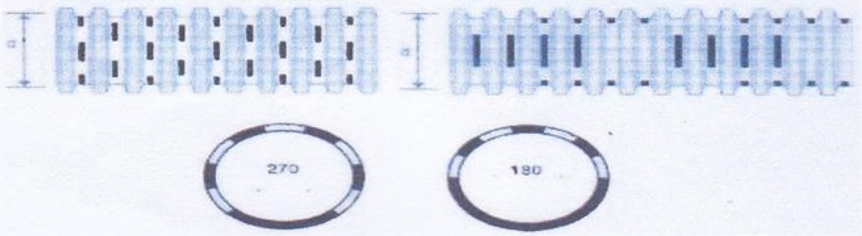

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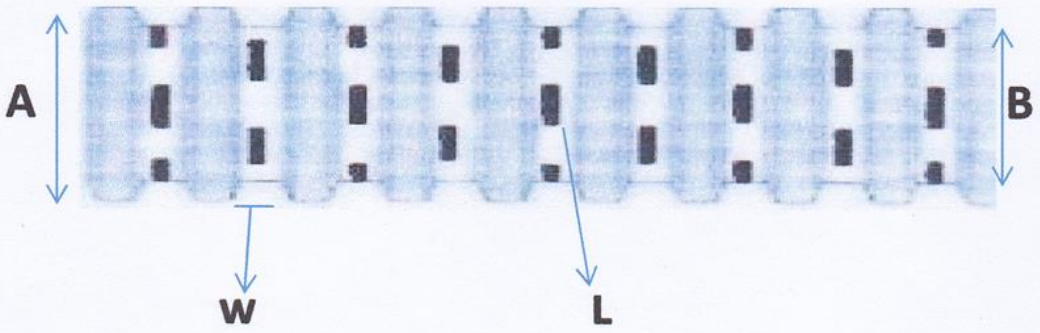

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