POLYCULVERT
High Density Polyethylene

Optimise the efficiency of moving around your farm with a culvert system that is durable and easy to install.

Polyculvert can resolve the majority of on farm culvert pipe requirements.

UV resistant, this lightweight Polyculvert is easy to handle and install compared to other traditional types of culvert pipes. Smooth bore polyethylene pipe is rust and abrasion resistant and unlike other plastics will not become brittle. When correctly installed, Polyculvert will improve farm access, removing stormwater and providing years of in-ground life.

Features and Benefits

Efficient Smooth bore in varied range of diameters.

Durable Polyculvert is made from Polyethylene, a material which will not rust.

Adaptable Polyculvert is available in 5 different diameters with a standard length of 6m, but up to 15m lengths can be supplied*.

In addition to culvert pipe use, Polyculvert can be used for many other farm applications such as piping dairy shed effluent and open channel drainage.

Economical Compared to traditional rigid culvert pipes, Polyculvert's lightweight, smooth bore construction makes it a cost-effective choice to purchase and install.

Dependable Installed correctly, Polyculvert's load-bearing capacity will provide years of reliable service.

Made in NZ Polyculvert is manufactured in New Zealand by Waters and Farr which is accredited to ISO 9001.

*Dependant on volume of order

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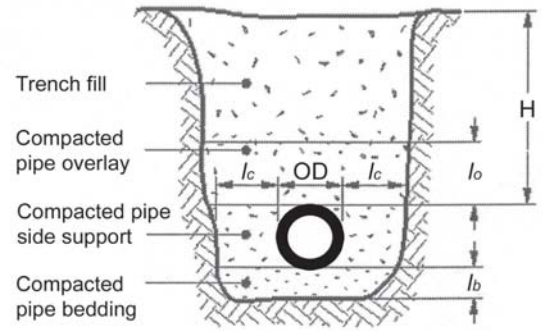
Installation Guidelines

Polyculvert

Trench should be excavated to a bed width ensuring sufficient clearance (lc) between pipe and trench walls (or wall supports). The Polyculvert dimensions and recommended minimum dimensions of trench width (based on AS/NZS 2566.2:2002) is detailed in the table below. It is not recommended to install Polyculvert at a depth over 4 metres.



Product Code	Nominal Outside Diameter, mm	Length, m	Nominal Bore Diameter, mm	Minimum Trench Width, m
RC200	200	6	188	0.500
RC250	250	6	236	0.550
RC315	315	6	297	0.715
RC400	400	6	377	0.800
RC450	450	6	424	0.850

Loading Conditions

The embedment of Polyculvert in normal soil should be of granular material, free from rocks and other hard or sharp objects, with the maximum particle size of 20mm, preferably in the particle size range of 5mm to 20mm. The recommended minimum thickness of compacted Polyculvert bedding is 100mm. Clearance (chases) for any other fittings should be made (excavated) in the bedding to allow the Polyculvert barrel to rest firmly on the bedding over its entire length.

To ensure good support of embedment to the flexible Polyculvert, side supports and overlay (the minimum thickness of which is 150mm) are constructed compacting the bedding material in layers of usually not more than 150mm thick. The pipe side supports and pipe overlay should be levelled and compacted without use of heavy machinery. Final filling of the trench is usually performed using the excavated material placed on the pipe overlay and properly compacted.

Loading Conditions	Min. Cover (H), m
Polyculvert installed under areas not subject to traffic or other heavy loading	0.30
Polyculvert installed under areas zoned for agricultural use	0.60
Polyculvert installed under roads (unsealed) or subject to heavy equipment loads	0.75

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