

Code Explanation	
Product Code	Socketed one end
550-200-5 SOE	
OD (mm)	Length (metres)



## 550 Series

FARMTUFF™ is a strong, durable, smooth bore PVC culvert pipe for on-farm applications. Its relatively light weight, makes installation easier when compared to culvert pipes made of other heavier weight materials. Correctly installed FARMTUFF™ can provide dependable service, improving access to and around the farm and taking away stormwater.

## Features and Benefits

<i>Efficient</i>	FARMTUFF's™ range of smooth bore diameters allows efficient selection of pipe for culvert pipe requirements. The smooth bore has less chance of debris build up within the culvert pipe, and higher flow, compared with a corrugated bore.
<i>Service</i>	PVC-U construction gives FARMTUFF™ an effective structural performance capability, for long-term buried service.
<i>Compatible</i>	FARMTUFF™ pipe is compatible with many commercially available injection moulded or fabricated PVC fittings allowing greater flexibility of use.
<i>Versatile</i>	FARMTUFF™ is available in seven diameters with three length options. Apart from its usual culvert pipe application it can be used for transporting dairy shed effluent to settling ponds, and other on farm stormwater applications. Cut lengthwise it can be used as an open channel for water drainage around cow sheds and driveways or as economical stock feeding troughs.
<i>Durable</i>	FARMTUFF™ is manufactured from uPVC, which is rust proof, abrasion resistant, and durable for in-ground service. FARMTUFF™ has precision formed sockets, allowing push-fit or solvent cement water tight joints. Such joints lessen the chance of leakage, which may cause scouring, undermining the culvert pipe installation.
<i>Economical</i>	FARMTUFF's™ light-weight smooth bore PVC construction makes it an economical choice to handle and install compared to alternative heavy weight culvert pipes.
<i>Quality</i>	FARMTUFF™ is manufactured in New Zealand by Iplex Pipelines using a Quality Management System accredited to AS/NZS ISO 9001:2008.
<i>Recycled PVC</i>	FARMTUFF™ contains up to 100% content of recycled PVC-U from Iplex production processes.

## Farmtuff Product Range

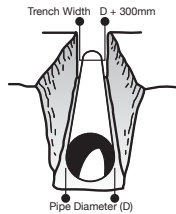
Product Code	Nominal OD (mm)	Length available		
		3m	5m	6m
550.110	110		✓	✓
550.160	160		✓	✓
550.200	200	✓	✓	✓
550.250	250	✓	✓	✓
550.315	315	✓	✓	✓
550.400	400	✓	✓	✓
550.500	500	✓	✓	✓



Typical location of Iplex Farmtuff PVC culvert under a farm vehicle-access raceway, with banded support walls to protect the bedding and backfill fill from erosion, around the pipe entry and exit positions.

## Installation Instructions

Important for the correct performance of Iplex FARMTUFF™ PVC-U Culvert Pipe



### Excavation

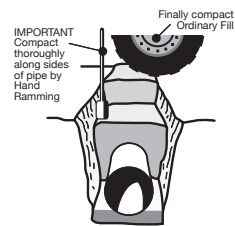
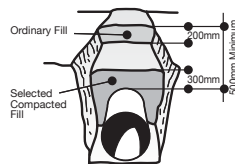
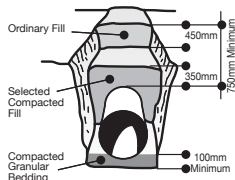
When digging a trench, ensure that the width of the trench at the top of the pipe is no greater than necessary to allow the bedding and side fill to be properly placed and compacted. As a rule, 300mm wider than the pipe is normally sufficient. This will minimise loading on the buried pipe.

### Culverts Under Roads, Farm Tracks and Raceways

Compacted granular bedding material is preferred in the particle size range 5mm to 20mm. Suitable granular materials include scoria, pumice, river gravel, sandstone or limestone. The minimum depth of the cover for PVC culverts under roads, farm tracks, raceways, etc. should be 750mm.

### Culverts Under Areas Not Subject to Traffic or Heavy Stock Movement

Selected excavation fill may be used as bedding. It should be substantially free from rock, tree roots or rubbish. Wet or saturated clay should not, under any circumstances, be used as bedding or surround material. The minimum depth of cover should be 500mm.



### Compaction of Bedding

FARMTUFF™ Culvert pipes use their flexibility to transfer load to the surrounding bedding. One purpose of the bedding is to ensure longitudinal support to the pipe. Another purpose is to provide lateral support to the pipe and increase its load capacity. Thorough compaction of the fill along the pipe is important to ensure long, trouble free service from your FARMTUFF™ Culvert pipe. Fill should be carefully compacted by hand ramming along the sides and around the pipe, and built up to the finished ground surface.

### Extra considerations

It's a good idea to project the end of the culvert pipe out from the surface of filled earth face (suggested 300-500mm) to prevent erosion of the fill. In hilly country, fluming is recommended to guard against surface erosion from culvert discharge.

*Note: FARMTUFF™ Culverts are not approved for Local Authority stormwater or gravity sewer applications.*



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