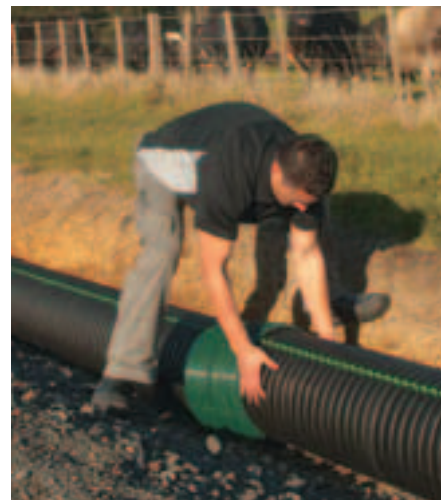


# MEET THE NEW BOSS OF TODAY'S DRAINAGE SYSTEMS.

**FarmBoss™** 

HIGH DENSITY POLYETHYLENE  
DRAINAGE & CULVERT SYSTEM

YOUR GUIDE AND TECHNICAL INTRODUCTION



**Bosspipe™** 

> THE FUTURE OF TOUGH.

## WELCOME TO FARMBOSS. THE BENCHMARK IN RURAL CULVERT AND DRAINAGE PIPING.

Here's a product that ticks all the boxes when it comes to tough rural drainage applications.

FarmBoss, part of the outstanding Bosspipe range, is an extruded, twin wall, high density polyethylene pipe. It features a smooth internal bore and a load-defeating corrugated exterior wall.

## FARMBOSS: KEY APPLICATIONS

FarmBoss is the answer for virtually any rural drainage application, including:

- Farm and forestry culverts
- Dairy shed runoffs
- Field drainage
- Stream diversion

## FARMBOSS: BIG ON FEATURES, HUGE ON BENEFITS

### Durability

FarmBoss pipe is manufactured from high density polyethylene, an extremely tough material with excellent and proven resistance to impact, chemical attack and abrasion. FarmBoss is UV resistant so unlike other plastics it will not become brittle.

### Ease of transport and handling

Although incredibly strong, FarmBoss is also incredibly light. A long section of FarmBoss pipe can easily be carried by two men, which means significant savings – in time, labour, machinery – and therefore costs. Transportation is easy too, for example FarmBoss can even be transported on utility vehicles using roof racks, or on small trailers and farm bikes.

### Hydraulic efficiency

The smart design of FarmBoss incorporates a supersmooth inner wall lining, which results in excellent flow characteristics.

### In-ground performance

Our standard FarmBoss pipe can be installed in a wide variety of conditions. In fact, you'll find standard FarmBoss will meet your needs for even the most demanding applications.



### Ease of jointing

Installation is fast and easy with FarmBoss. FarmBoss is easily and quickly cut on-site to lengths to suit the needs of the job and can be joined using a coupler – no fuss, no hold-ups, no hassles.

### FarmBoss: the range of sizes

FarmBoss is available in a range of commonly used internal diameter sizes:

- DN225 x 5.0m lengths
- DN300 x 5.0m lengths
- DN375 x 5.0m lengths
- DN450 x 5.0m lengths

## INSTALLATION INSTRUCTIONS

You'll find all installation practices for buried flexible pipelines are given in AS/NZS 2566.2. For general guidelines the trench should be excavated to a bed width ensuring sufficient clearance ( $l_c$ ) between the pipe and trench walls. Recommended minimum dimensions of the trench width is detailed in the table below or can be downloaded from the Waters & Farr website at [www.watersandfarr.co.nz](http://www.watersandfarr.co.nz).

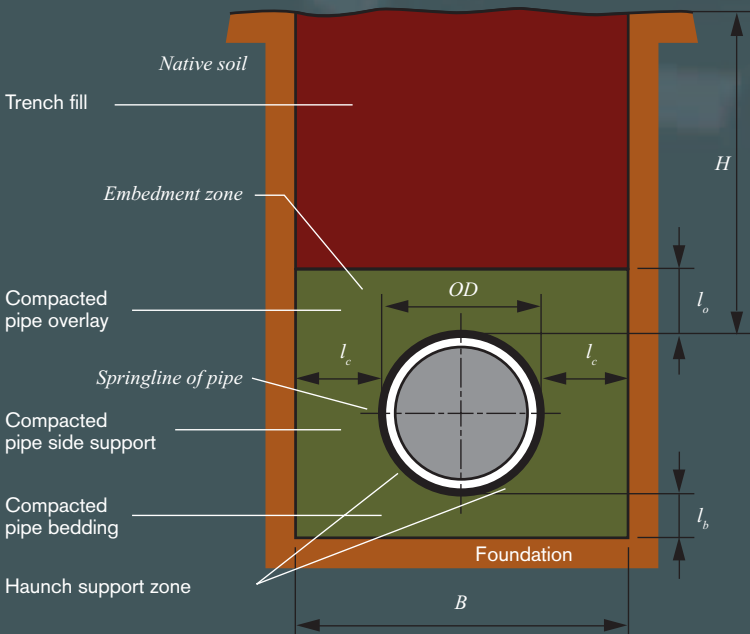
### Minimum trench width ( $B$ )

|       |       |
|-------|-------|
| DN225 | 0.56m |
| DN300 | 0.75m |
| DN375 | 0.84m |
| DN450 | 1.13m |

### Loading conditions

The embedment of FarmBoss 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 14mm. The recommended minimum thickness of compacted bedding ( $l_b$ ) is 100mm for sizes up to DN375 and 150mm for DN450.

To ensure good support to the bedding, side supports and overlay to a minimum thickness ( $l_o$ ) of 150mm are constructed, compacting the bedding material in layers of not more than 150mm.



|  | Min Cover<br>H, m |
|--|-------------------|
| FarmBoss installed under areas not subject to traffic or heavy loads   | 0.30              |
| FarmBoss installed under areas zoned for agriculture use   | 0.60              |
| FarmBoss installed under roads (unsealed) or subject to heavy loads  | 0.75              |
| Maximum cover varies with soil type. In firm clay soil it is not recommended to install FarmBoss at a depth over 6 metres. |                   |

## WATERS & FARR – HOME OF THE BOSSPIPE RANGE

Want to get technical? Then you're talking to the right people.

Waters & Farr has a proud history in New Zealand manufacturing dating back to 1954, with an emphasis on technical pipe and fitting design and production, specialising in polyethylene-based products.

Over the years Waters & Farr has built up a diverse range of best-of-breed products, including polyethylene systems for potable water, gaseous fuels and rural applications, polyethylene/polypropylene systems for sewage and drainage, plus durable ducting for communications and power cabling.

We know our products will pass the sternest tests – which is why we wholeheartedly adhere to the best international quality assessments and carry AS/NZS ISO 9001:2000 quality compliance. You'll find our manufacturing site in Wanganui, with additional depots in Porirua and Auckland.

And now the Bosspipe brand is a key focus for Waters & Farr and – just like our pipe connections – we know it's a perfect fit.

**For more information on FarmBoss or any Waters & Farr product call +64 9 622 4036.**

**Or visit the Waters & Farr website at [www.watersandfarr.co.nz](http://www.watersandfarr.co.nz).**



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> **THE FUTURE OF TOUGH.**

**W&F**  
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