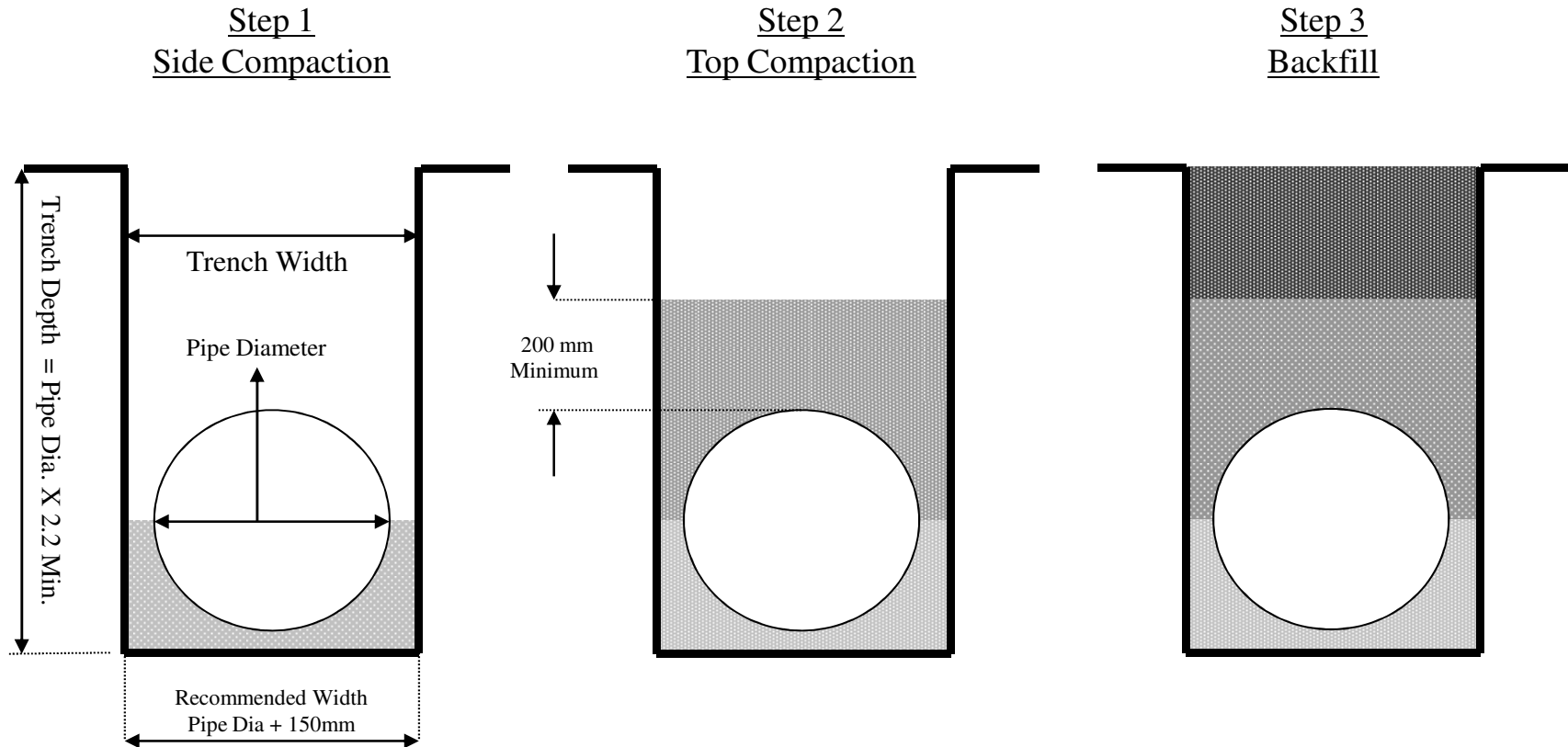





Culvert Schematic Installation Instructions



-  - Ensure Pipe is fully compacted on bottom & sides to 50mm above centre line with sand or crushed rock no greater than 15mm in size
-  - Continue compaction in layers of 75mm to 100mm thickness to a minimum of 200mm above the pipe with the same material
-  - Backfill remainder of trench with excavated material ensuring frequent compaction and no heavy loads until trench is full.

Installed correctly to these instructions will ensure satisfactory performance of The Green Pipe in culvert application.
Failure to follow these instructions may result in the pipe collapsing under heavy loads and may void any warranty.

Culvert Installation Procedure

- ❖ Rigid Pipes transfer 80% of the load to the **base of the trench**
- ❖ Flexible Pipes transfer 85% of the load to the **embedment**
- ❖ The Strength of a Flexible Pipe is in its ability to distribute the load evenly
- ❖ Flexible Pipes require secure side compaction to prevent deflection
- ❖ Recommended Trench widths and Pipe coverage are as follows:-

| <u>Nominal I/D</u> | <u>Recommended Trench Width</u> | <u>Minimum Pipe Coverage</u> |
|--------------------|---------------------------------|------------------------------|
| 250mm (10") | 500mm | 300mm |
| 300mm (12") | 500mm | 350mm |
| 375mm (15") | 700mm | 450mm |
| 450mm (18") | 700mm | 600mm |
| 600mm (24") | 900mm | 800mm |