

Gateway culvert Construction sequence Guide (timber headwall)

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1. Preparing to install pre-assembled structural timber for a headwall (2 required).



2. Structural timber headwall driven so that the top is at ground level.



3. Excavating to remove old gateway and culvert.



4. Removing surplus spoil.



5. Preparing the formation level.



6. Driving large timber piles for pipe support.



7. All timber piles in place.



8. Fixing cross timbers for pipe supports.



9. Graded stone placed and compacted for the foundation.



10. Geotextile laid under pipe. Pipe installed on bedding stone and headwall timbers cut around pipe. Bottom tie-bars installed and tightened



11. Pipe bedding placed and compacted in layers around pipe. Top tie-bars installed and tightened.



12. Geotextile folded back over pipe bedding, before scalplings laid to finished level and compacted.



13. Completed headwalls and culvert with gate and back fencing each side.

Notes:

- Channel needs to be dewatered to allow dry working.