

Basic specification for decommissioning pipes, subject to alteration should the onsite situation require and approval given by monitoring engineer and QLDC:

- Existing AC pipes exposed during works must be removed to the extents exposed and disposed of responsibly, irrespective of the parameters listed below. If remaining operational, the existing pipe must be replaced with a suitable alternative to the extents exposed.
- Valves, hydrants, fittings and associated street furniture must be removed from all pipe work being decommissioned. These items must be disposed of responsibly; recycling must be prioritised over landfill where practicable.
- Decommissioned existing pipes with **<600 mm** cover must be removed. Pipe must be disposed of responsibly; recycling should be prioritised, if possible, over landfill.
- Existing pipes with between **600 mm and 1000 mm** cover must be assessed against the following hierarchy of treatment:
  1. If reuse as a future utilities duct is possible, cap pipe and ensure its alternate use is captured on as-built information. Where long lengths of reusable pipes are exposed, these pipes must have marker tape, applicable to their future use, installed during backfilling. Assessment for reuse must consider the condition (based on CCTV inspection data where possible) and location of the pipe and the associated structural integrity of the pipe subject to the existing or future possibility of vehicle loading along its alignment. Separation of services in accordance with the QLDC LDSCoP must be achievable.
  2. If reuse is not feasible/practical, the following hierarchy of treatment must be followed, subject to feasibility:
    1. Remove and recycle
    2. Remove and landfill
    3. Internally grout full extent of pipe\*
- Existing pipes with **>1000 mm** cover must be assessed against the following hierarchy of treatment:
  1. If reuse as a future utilities duct is possible, cap and mark pipe (marker tape appropriate for its future use). Where long lengths of reusable pipes are exposed, these pipes must have marker tape, applicable to their future use, installed during backfill. Assessment for reuse must consider the condition (based on CCTV inspection data where possible) and location of the pipe and the associated structural integrity of the pipe subject to the existing or future possibility of vehicle loading along its alignment. Separation of services in accordance with the QLDC LDSCoP must be achievable.
  2. If reuse is not feasible/practical, the following hierarchy of treatment must be followed, subject to feasibility:
    1. Internally grout full extent of pipe\*
    2. Remove and recycle
    3. Remove and landfill

## Notes

- *As-built information must be updated appropriately for the future presence/function of the decommissioned pipework. Information must be provided to QLDC for update of their GIS.*
- *Cover requirements noted are to finished surface level.*
- *\*Grouting of a pipe is dependent on the diameter of the pipe and the volume of grout required for filling. Where a pipe identified for grouting is >400mm ID, approval for grouting must be sought from the monitoring Engineer and QLDC.*

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