

Waste Systems

Roadside Rest Area Toilet Facilities

Roadside Rest Areas are generally remote. Access to power, pressurized water and sewer services is generally not available. The system options are:

- Sewer/septic
- Composters
- Collection Wells



Sewer/septic

- Sewer/septic require a reliable, pressurized water service.
- Modern cisterns require pressurized water, delivered by elevation of the stored water supply or electric booster pump.
- Carting water to site to service a flush system is an expensive option. If the supply should run out, through mismanagement or vandal attack, and the facility is not locked off, the facility manager has a huge problem to recommission the system. People will keep on using the facility flushing or not.
- The environmental outcomes must also be considered. All water carried to site and put through the system, must be managed on site by absorption trenches. This can be a problem if the facility is close to waterways, and if environmental laws are to be adhered to.
- We suggest doing an analysis of water delivery costs before committing to such a system.



Composters

- Composters are a seemingly environmentally responsible system. However, they have two shortcomings.
- They require committed management. A responsible person must manage them, and they require constant management. There are generally OH&S issues to be confronted by management. With no management/maintenance inputs, they will crash and smell.
- All composters are housed in plastic vessels. Plastic burns. We have replaced many plastic composters that have been destroyed by fire.



Collection wells

- We have come to the conclusion that at remote roadside sites, a very simple system with professional outsourced waste removal and, an odour management/cleaning programme, offers the most cost effective, hardy, pleasant to use toilet system.
- Our collection wells are precast concrete, and comply with AS1546.1 (2008), a very rigorous standard.
- Our building system consists of concrete collection well below ground level, with a precast building floor acting as a lid to the collection well.
- Compost systems by design, requires an elevated floor...this impacts on AS1428 disabled access... the need to construct and maintain access ramps.
- CWT Collection wells can be buried up to 90% in the ground....floor level nominal 100mm above ground level... no ramps required.
- Environmental concerns are eliminated...all waste removed from site....compliance with DLG Silver Book is therefore a given.
- OH&S issues are also addressed. All waste is removed from site by an outsourced accredited waster removal contractor.