



## FACT SHEET 6

# DESIGN OF DISPOSAL AREAS IN ACCORDANCE TO AS1547.2012

### Selecting an appropriate disposal method

Conventional On-site Sewage Management Systems provide traditional means of the treatment of wastewater via land application methods which include but are not limited to trenches and beds.

The design, size and area designated for land application methods are based on site specifications including but not limited to the soil type, slope of the land, evaporation, transpiration, number of bedrooms and occupants in the dwelling and the design loading rate.

The design loading rate for primary effluent considers site limiting factors and wastewater generated from

the activities carried out on the premise. To calculate the design loading rate, and the size and area required for land application methods, a geotechnical soil assessment is required to be undertaken. The geotechnical soil report will identify the capability of the site to sustainably manage treated wastewater.

After discussions regarding design, system specifications and disposal area preferences between the property owner and the Geotechnical Consultant, the geotechnical soil report shall recommend a particular wastewater treatment system, and designated a disposal area best suited to the site. The design and installation must comply with the recommendations of the geotechnical soil report.

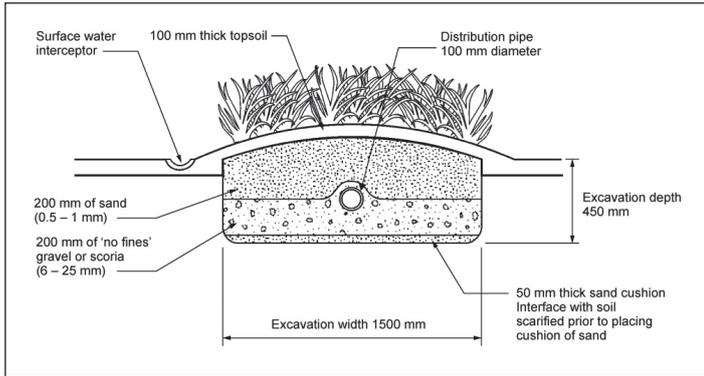
The design and installation of the disposal area must also adhere to the Australian Standards (AS) 1547.2012. To assist you in meeting legislative requirements when installing the appropriate disposal method, this fact sheet includes diagrams taken from the AS1547.2012 for your reference. Please refer to the AS1547.2012 for further information or alternate designs.



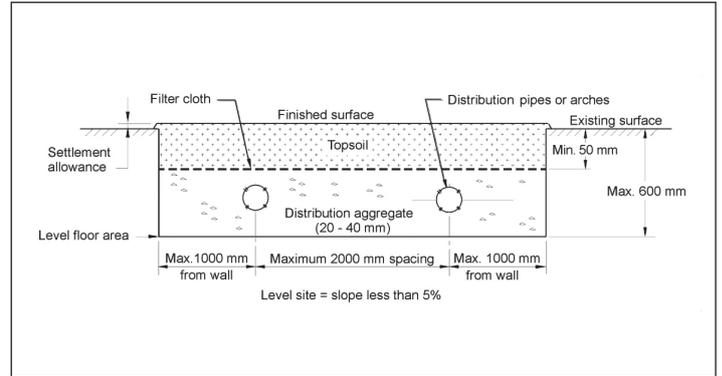
City of  
Wagga Wagga

# Disposal Method Design as per AS1547.2012

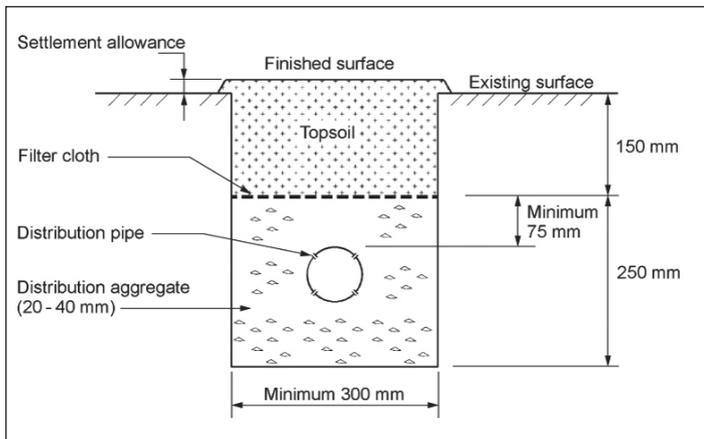
## Evapotranspiration Absorption Bed



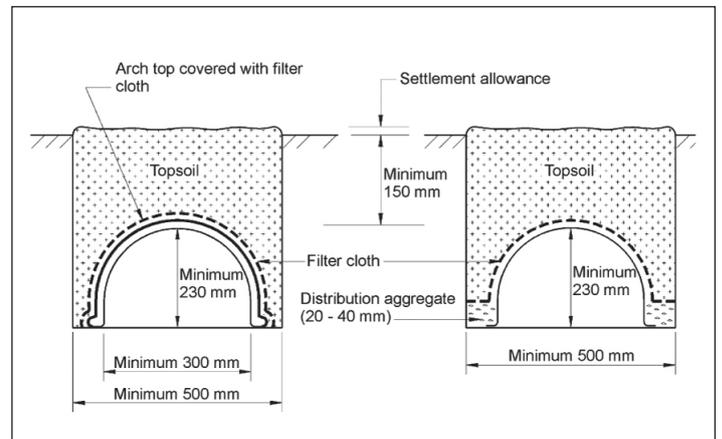
## Conventional Bed



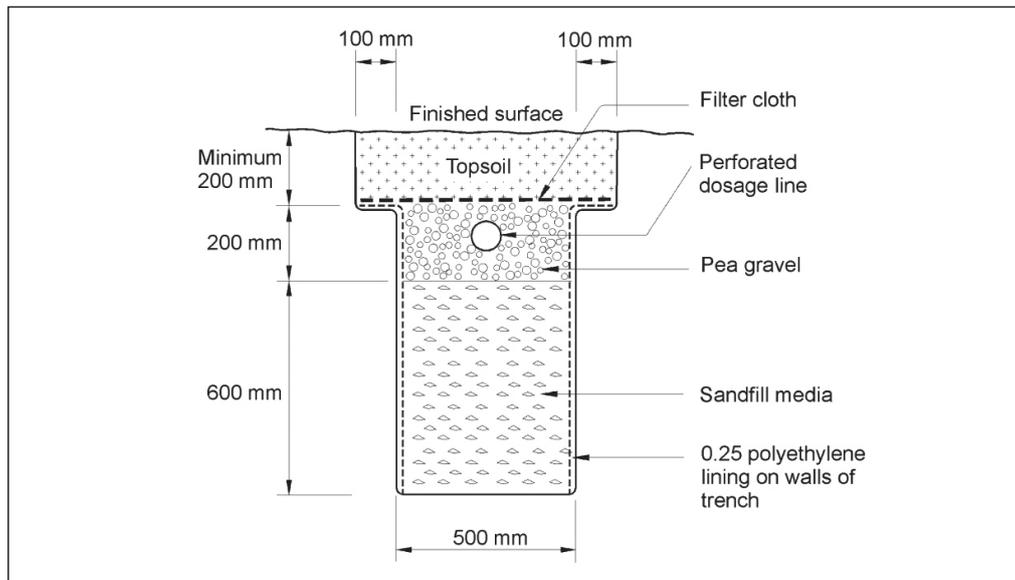
## Conventional Piped Trench



## Self-Supporting Arch Trench



## Discharge Control Trench



## FURTHER INFORMATION

For further information visit  
[www.wagga.nsw.gov.au/publichealth](http://www.wagga.nsw.gov.au/publichealth)  
 or contact an Environmental Health Officer  
 on 1300 292 442.

