

## Design of Onsite Wastewater Systems

When a building consent is applied for in the rural area demonstration of how wastewater will be managed onsite is required. Design of the treatment system and an appropriate report documenting this is needed.

BTW have suitably qualified people on staff to undertake the necessary site investigations and prepare the report.

It involves undertaking a site visit, digging test holes, and then undertaking calculations to determine the size of the system. The system size will depend on the nature of the soil, limiting factors on the site (e.g. heavy rainfall) and the number of bedrooms in the dwelling (which is used to calculate the wastewater flow).



It pays to think about wastewater disposal in the early stages of planning the site layout, especially if the site is small.

### BTW Company Ltd Wastewater Design Services

- Sizing calculations – septic tank systems, secondary treatment systems and other alternatives
- Reports for Building Consent applications
- Secondary treatment systems – advice, costing, benefits
- Regional Council discharge permits if required
- Site layout advice
- Troubleshooting
- Quotes/tenders from approved suppliers

