SAND SLIT DRAINAGE

A slit drainage system works by allowing a direct route for water intercepted at the surface to be channelled into an underlying pipe drainage system, thereby bypassing the bulk soil. What makes a slit drainage system so attractive is that it offers improved interception of surface water as an excellent alternative to fullscale reconstruction or amendment of the existing soil profile

A sand slit drainage system can be installed as part of a new field construction project, existing field renovation or over the top of an existing grass field. All trench spoils are conveyed directly into a tipper and hauled off site.

The equipment used to backfill the trenches are done with specialised trench sandfill equipment and hoppers.

TG Drains installs sand slit drainage using their AFT55 Wizz Wheel. The Wizz Wheel allows for high speed trenching and can dig slits from 50 to 125mm wide. Twin grass cutting discs create a perfect trench finish.

Alternatively the Wizz Wheel can also be used to install 50mm or a 65mm flexi pipe in a 85mm trench. The narrower trench allows grass to cover the trench faster.







SAND BACKFILLING

When upgrading or installing drainage at an existing oval, without the project undergoing a total reconstruction, the installed drains will have a backfill with aggregate to the required height and are then backfilled with turfsand to the surface.

Sandslits also need to be backfilled with turfsand after they are installed

The turfsand is installed using our sand filler pictured below.

The spring loaded wheels of the sand filler ensure the sand is compacted in the trench, with a final roller smoothing the top and giving it a second compaction.







