



## **THE TURFDRY (GREENS) DRAINAGE SYSTEM - INFORMATION SHEET**

### **WHAT IS IT?**

The *Turfdry Drainage System* provides a quality long-term solution to waterlogged clay based greens, and is installed with minimal disruption, at a fraction of the cost of rebuilding.

### **WHAT IS INVOLVED?**

The contours of the greens are surveyed in detail and a tailored drainage design is produced for each individual green. Typically, *Hydraway Sportsdrain* is installed at around 2 metre centres on greens.

Using a disc trencher fitted to a 4WD tractor on low ground pressure grassland tyres, trenches (50 mm wide x 400 - 500 mm deep) are excavated directly through the existing sward, with the soil loaded into an adjacent tipper trailer via a high-lift soil conveyor.

As the trenches are cut, *Hydraway Sportsdrain* is laid at the base of the trench through a specially designed boot. Using purpose made fittings, the *Hydraway Sportsdrain* is connected to a 100 mm plastic carrier drain, which is normally installed just off the edge of the green. The plastic carrier drain is connected to the nearest available outfall (ditch, pond, storm-water drain, low lying area of rough ground, or soakaway).

Once all the pipes have been laid and connected, the drainage trenches are back-filled using either 6 mm gravel or 4-8 mm Lytag to a specified depth depending upon whether the drain lines are to be turfed or seeded. Above the gravel or Lytag, either pure sand, or rootzone is applied, as appropriate.

It is then the golf club's responsibility to seed or turf the drain runs, according to preference. Seeding will maximise the drainage efficiency, though turfing must obviously be considered if the priority is to return the greens to play in the shortest possible time. Both options have produced excellent results.

A third option is for the turf to be cut and set aside immediately prior to the drainage installation, and then replaced upon completion. This method will return the greens to play in the shortest possible time but requires a team of men supplied by the golf club to work alongside our drainage installation team. Lifting and replacing of the turf is the responsibility of the golf club. This option seems to be the most popular method in recent years.

### **WHAT IS THE COST?**

Costs will vary according to:

- size of green
- spacing between drains
- type of back-fill materials used
- proximity of the nearest available outfall

Based on previous contracts, an average cost per green is around £4,500 plus v.a.t., based on *Hydraway Sportsdrain* at 2 metre centres.

Additionally, there is a fixed cost to cover transportation of equipment (2 low-loaders required), site establishment, and insurance, which is £2,135 plus v.a.t.

It should be emphasised that the *Turfdry Drainage System* is a substantial, long-term solution to waterlogged greens, and not just a secondary drainage system of slit trenches filled with gravel or Lytag.

**For more information contact Melvyn Taylor (07836 259133) or visit [www.turfdry.com](http://www.turfdry.com)**