

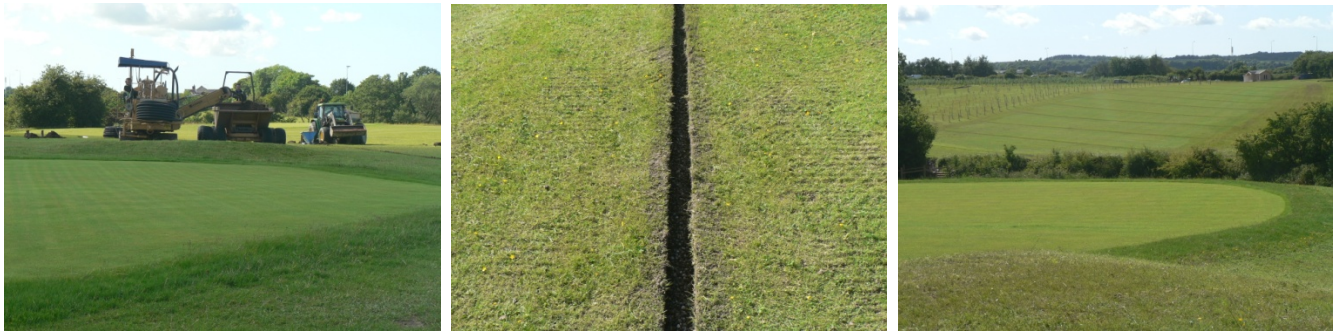
Porter's Wood Golf Club

Golf Course Drainage

Design: Duncan Ross Ltd

Project Brief:

Design and installation of piped land drainage system to golf course fairways and greens.



Project Overview

At the time of our involvement Porters Wood Golf Course was a new course that was being developed on former farm land close to the village of Shevington near Wigan. Duncan Ross Limited was invited to undertake the works as the course owners were aware of our reputation for high quality work. They were also keen to appoint a land drainage contractor that would work closely with them to ensure that development of the course remained on programme.

To assist with achievement of the tight development programme and to provide a very cost effective approach to installation of the drainage system, all collector drains were installed prior to construction of the course. Drainage to the fairways and greens was then added after the grass was established, which allowed the drainage to be positioned exactly where it was required with the added benefits of preventing the drainage being contaminated by cultivation work and thus improving infiltration rates.

The work was completed in a very short space of time with no disruption to the playing surfaces and as a result the course opened as planned.

The main elements of the course drainage project included:

- 950m of 100mm main carrier drains installed prior to construction of the course.
- Construction of 10 number rigid drainage outfalls at pre-construction stage.
- Following completion of the course's construction we returned to install:
 - 1,925m of 80mm lateral drains, installed at 5.0m centres across the general slopes of the fairways
 - 100mm bunker drains, installed to discharge to the main drainage infrastructure