

## Lancashire County Council

St Aidan's CE Technical College, Fylde Coast, Lancashire

Design: Duncan Ross Ltd

### Project Brief:

Design and installation of intensive piped drainage system to existing playing fields to improve sportsturf availability and playing capacities.



### Project Overview

The project undertaken at St Aidan's was another one of many successful projects undertaken for Lancashire County Council as part of the Council's multi-million pound School Playing Field Improvement Programme between 2002 and 2012.

As with other projects undertaken as part of this county wide improvement programme, the project objective was to improve the standard of the existing playing field and to enhance overall sportsturf availability and playing surface capacity so that maximum utilisation could be maintained throughout the school fixture year. The principal elements of our commission for this site included:

- Detailed site surveys and investigation of existing drainage provisions followed by provision of drainage scheme design proposals.
- Using the latest laser guided technology construction of a new primary piped drainage system comprising the installation of circa 5,600m of perforated plastic pipe to BS4962.
- Construction of a number of silt chambers and manholes across the installation to ensure that the system remains silt free and maintainable over its lifetime.
- Drainage intensification, involving installation of circa 26,500m of 50x300mm slit drains at 1.0m centres across the line of lateral, piped field drains.
- Supply and application of over 800 tonnes of medium fine sand dressing.
- Vertidrainage, cultivation, seeding and fertilising to playing surfaces, run-off areas and surrounding grass surfaces totalling 29,000m<sup>2</sup>.
- Initial maintenance of both playing surfaces and surrounding areas to ensure satisfactory establishment prior to handover to the College's in-house resources for ongoing maintenance.