Case study

Ashfield Sports Pitches

The new Ashfield sports pitches in York are a major community development, featuring modern facilities for football and recreational activities.

Creating new grass sports pitches is a complex project that involves addressing several engineering challenges. The soil composition, drainage, and topography must be carefully considered to ensure optimal pitch performance. Proper grading, irrigation and turf selection are vital for longevity and playability. Additionally, managing water run-off and soil compaction are key concerns. Balancing the need for high quality pitches with environmental sustainability and effective drainage systems can be challenging, requiring expertise in soil science and sports field engineering. Alan Wood & Partners' (AWP) expertise likely played a critical role in ensuring the successful development of high quality sports pitches.

AWP provided comprehensive engineering services for the project, starting with site assessment and soil analysis to ensure proper pitch foundations. They designed the site and its new topography including a "cut and fill" assessment to manage approximately 10,000m³ of earthworks. The team also developed a drainage system using Sustainable Drainage Systems (SuDS) incorporating swales and attenuation basins to control run-off, reduce discharge rates to greenfield equivalent levels and minimize off site flood risk. They liaised with the City of York Council to meet planning conditions, provided supporting hydraulic calculations, factored in climate change, and prepared detailed SuDS proposals and general arrangement drawings for tender and construction.

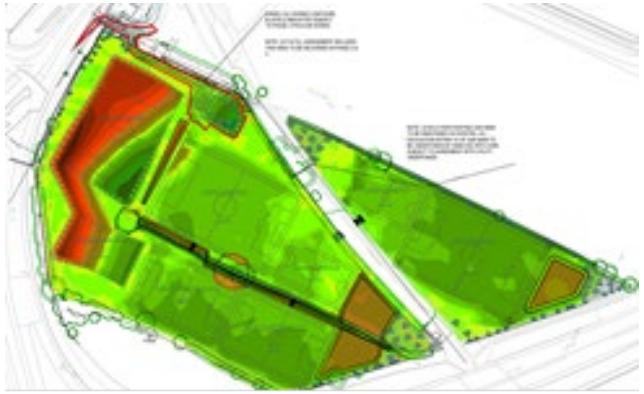
Alan Wood & Partners

Location:
York

Client:
City of York Council, via NPS

Architect:
NPS

Value:
£2m



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