

Building Schools for the Future

2010

Bristol BSF for SKANSKA

**SPEEDWELL
ACADEMY**

**BRISLINGTON
ENTERPRISE
COLLEGE**

**HARTCLIFFE
EDUCATION
CAMPUS**

**WHITEFIELD
FISHPONDS
COMMUNITY
SCHOOL**

**FLORENCE
BROWN
SCHOOL**

**ST BEDE'S
CATHOLIC
COLLEGE**

BSF Bristol

Having successfully worked with Skanska on previous sports projects, we were requested to assist in the design of the sports facilities on the four new schools. The designs incorporated ultra low-glare, high efficiency floodlighting systems, meeting stringent light pollution restrictions. The flexibility of switching arrangements and reduced running costs resulted in excellent BREEAM ratings. The finalised schemes enabled planning permission to be granted and reserved matters to be discharged.

A full-sized 3G or sand filled artificial turf pitch was designed and constructed at each school, along with a 4-court MUGA, artificial grass cricket surfaces and polymeric



surfaced athletics facilities for long jump, high jump and pole vault. Due to prevailing ground conditions, three of the sites incorporated ground stabilisation. This method of construction utilised spoil from foundations, thus reducing the quantity of spoil exported from site. By carefully crushing and grading selected materials for reuse, from the existing school, environmental targets were met.

Following the successful completion of this wave, Smiths were engaged again at St Bedes School and Florence Brown School to design and construct the pitches, MUGA's and athletics sprint straight. Both sites were designed to comply with strict Environmental Agency requirements for sustainable drainage schemes, considering the flood risks.

Solihull BSF for BAM

**LANCHESTER
CAMPUS**

**PARK HALL
SCHOOL**

**ARCHBISHOP
GRIMSHAW
SCHOOL**

**MONKS PARK
SCHOOL**

**HENBURY
COLLEGE**

**PORTWAY
SCHOOL**

Newcastle Under Lyme College

Smith Construction were invited by consultant architect's EWA, to design for the sports grounds. Our proposals included the complete design of a 3G artificial pitch and all of the natural grass pitches and grounds. The designs were produced to meet the requirements of Sport England but also to resolve drainage issues and restrictions imposed by the Environment Agency. Heavy clay and wet ground conditions combined with a sloping site, restricted boundary and Japanese Knotweed were some of the issues to overcome. After



extensive ground investigations, we provided our client with a guaranteed design solution, to link with the college build, and accurate budget costs.

When BAM were appointed as Main Contractors, we continued to work closely with them, adding value throughout the construction phase of the project. Our

successful partnering was based on flexibility, efficient programming, proven methods of working, approach to health and safety and customer care. The work included 60,000 m2 of cut and fill earthworks, laser grading levels, soil improvement works and sports turf seeding to the natural pitch areas. The artificial turf pitch base was stabilised. The design and build project has been a total success and Smith Construction's maintenance division are now looking after the natural grass and the 3G pitch for Newcastle College.

Current Projects in Progress

SOUTH CRAVEN COLLEGE, KEIGHLEY

Design and Construction of 3rd Generation artificial turf football pitch with floodlighting and Long Jump Facilities.

NOADSWOOD SCHOOL, SOUTHAMPTON

New Artificial Grass Multi Use Games Area with floodlighting.

BARNARDS MEADOW LOWESTOFT

Design and Construction of 3rd Generation artificial turf football pitch fencing and floodlighting.

EGERTON YOUTH CLUB, MANCHESTER

Design and Construction of 3rd Generation artificial turf football pitch fencing and floodlighting.

FLORENCE BROWN SCHOOL, BRISTOL

Design and Construction of 3rd Generation artificial turf football pitch fencing and floodlighting.

FLEMING PARK, EASTLEIGH

Hard courts with spectator terrace and seating areas, fencing and floodlighting.

HMP GARTREE

Design and Construction of 3rd Generation artificial turf football pitch.

Projects - BSF, PFI and Academies

Project

Lilleshall National Sports Centre
Loughborough University
St Phillip Howard School
Mary Magdalene Academy
HSBC Sports Ground
HMP Stoke Heath
Archbishop Grimshaw
Park Hall School
HMP Onley
Langley Primary School
Smith's Wood Sports College
St Benedicts School
St Edmunds School
St Leonards Mayfield School
John Perryn Primary School
Roade School
Uppingham School
St Bedes RC School
Birmingham City FC
Lynnsport leisure Centre
Kirkley High School
Chipping Sodbury School
ATA Wandsworth
Dallow Road Primary School
Phoenix and Guardhouse School
Arc Academy
King Solomon Academy
Egerton Youth Club
John Hunt of Everest School
Harlow Lawn Tennis Club
Woodside Leisure Centre
Holy Cross School
Erewash Sports College
Epsom College
Newcastle Under Lyme College
Millgate Farm Didsbury
Thurleston High School
Highgate Wood School
Hartcliffe School
Whitefield School

Description

Two Water-Based Hockey Pitches
Athletics Track
Artificial MUGA and Natural Pitch
Polymeric MUGA
Artificial Grass Pitch
3G Turf Pitch
Artificial Grass MUGA
Artificial Grass MUGA
3G Turf Pitch
Polymeric MUGA
Artificial Grass Pitch
Artificial Grass Pitch
Artificial Grass Pitch
Artificial Hockey Pitch and Tennis Courts
MUGA
Artificial Grass Pitch
Tennis Courts
3G Turf Pitch , Sprint Straight and Tennis Courts
Polymeric MUGA
3G Turf Pitch
Artificial Grass Pitch
3G Turf Pitch
Tennis Courts
MUGA
Artificial MUGA & Natural Pitches
3G Turf Pitch, Tennis Courts & Natural Grass Pitches
Artificial Grass Pitch
3G Turf Pitch
Artificial Grass Pitch, Tennis Courts & Athletics Track
Tennis Courts
Artificial Grass Pitch
Natural Pitch
Indoor Sports Hall Flooring
Athletics Track
3G Turf Pitch and Natural Grass Pitches
3G Turf Pitch
Artificial Grass Pitch
Sand Dressed Pitch & 4th Generation Pitch
3G Turf Pitch
3G Turf Pitch

Just a Few of our Clients

SKANSKA
EDUCO
SPORT ENGLAND
MILLER CONSTRUCTION
EMCOR FACILITIES SERVICES
HAMPSHIRE COUNTY COUNCIL
HOBSON AND PORTER
LIVERPOOL CITY COUNCIL
M J GLEESON
WEST SUSSEX COUNTY COUNCIL
DERBY CITY COUNCIL
GWYNEDD CC
ELMBRIDGE BOROUGH COUNCIL

BAM
WATES
WILLMOTT DIXON
EASTLEIGH BOROUGH COUNCIL
KIER
MANSELL CONSTRUCTION
S P PROJECTS
LONDON BOROUGH COUNCIL
SUFFOLK COUNTY COUNCIL
BIRMINGHAM CITY FOOTBALL CLUB
PELLIKAAN CONSTRUCTION
BARNES CONSTRUCTION
BOWMER & KIRKLAND

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