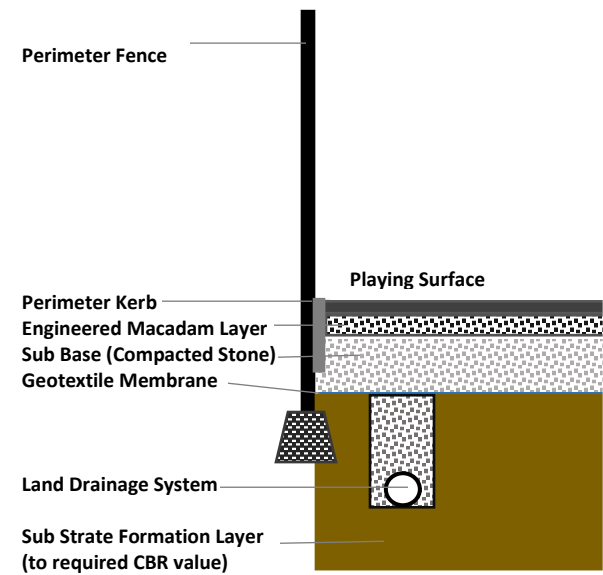


MUGA CONSTRUCTION PROFILE

The surface type will be based the use of porous macadam. Upon completion, the playing surface must conform in all respects to the stipulated performance criteria for the identified sports and BS EN 15330-1:2013 Surfaces for Sports Areas, as appropriate. Gradients not to exceed 1:100. All surface markings to be in accordance with the current laws of the game. The completed surface will be tested in accordance with stipulated guidance by an independent testing agency, in order to ensure compliance for playing performance. An illustrative cross section of the MUGA construction profile is provided below.



Porous Macadam Surface with textured paint application to achieve required slip resistance value (SRV) for both Netball and Tennis

PERIMETER FENCING TYPES



Illustration of mesh perimeter fence with lower rebound provision

All fencing should be undertaken in accordance with the appropriate sections of BS 1722, and the system be fully compliant with EN 15312.2007. A typical sports fence system will require all posts and panels to be galvanised and polyester powder coated colour finish to a minimum thickness of 120 microns. Colour to in accordance with client requirements BS 12 C 39 Green or equivalent. The preferred system for sports areas typically comprises a 3m high rigid, fully welded twin wire panel type, 2500mm wide, flat, rigid, fully-welded mesh panels, constructed from 6mm diameter steel vertical wires set 50mm apart, welded between pairs of 8mm diameter steel horizontal wires set 200mm apart. The lower 1.20m of panel to include additional pairs of welded horizontal wires providing a 66mm x 50mm rebound mesh. The upper section of fencing to comprise square mesh panels fabricated from minimum 6mm diameter solid steel wire fully welded at every cross point.

FLOODLIGHTING

The system will be designed to allow each of the MUGA’s to be floodlit using LED luminaires to achieve a maintained average horizontal illumination level of 390 lux with a uniformity (Min/Ave) >0.6, in accordance with principal sports guidance. Floodlighting columns steelwork to be fully galvanised before installation on site. Foundations in accordance with manufacturer’s and structural engineer’s recommendations. System is to be based upon columns located on the perimeter corners each nominally 8 metres high. Flood lighting to be compliant with Environmental Zone E2 values (rural area low brightness) and in accordance with relevant Planning Approval Conditions.

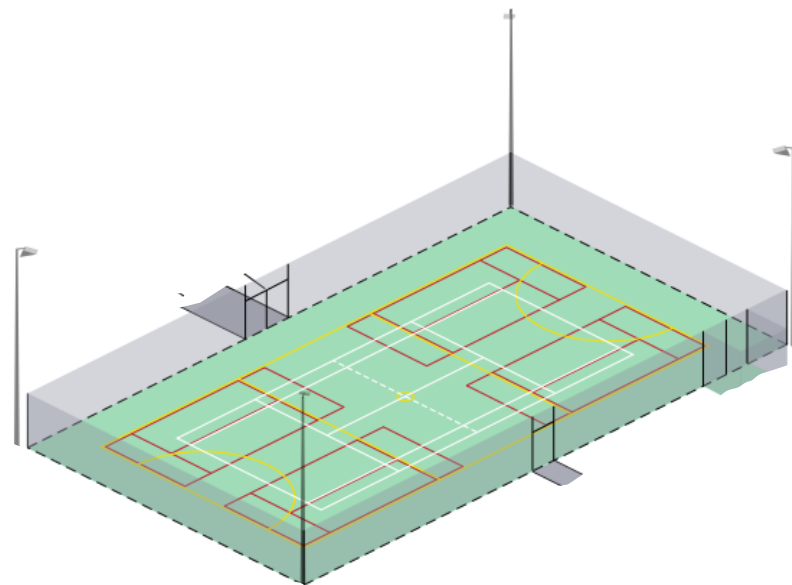


Illustration of typical four corner floodlight column arrangement (Ref: Sport England)

PROJECT
Legal and General (Strategic Land North Horsham) Sports Hub

DRAWING TITLE
Proposed MUGA General Site Design Features

NOTES
THIS DRAWING IS PROVIDED FOR DISCUSSION PURPOSES ONLY
All works will be undertaken in accordance with agreed specification and applicable NGB guidance and British Standards.
REFER TO David Jarvis Associates Drawing Ref: 2898-5-2-10 DR-2001 SO-P1 Sports Hub – Landscape General Arrangement for details of surrounding features to the footprint of the MUGA’s.