

SIS PITCHES METHOD STATEMENT



FOR THE CONSTRUCTION OF A NEW RUGBY PITCH 114 x 76m @ Havant RFC Havant

SIS Pitches
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1. Planning Schedule

No allowance has been included in the programme for the discharge of planning conditions.

2. Procedures

All site operatives carrying out work onsite will be required to read and understand task specific method statements and risk/COSHH assessments relevant to the work they will be undertaking.

2.1 PPE:

At all times on site in accordance with Company Policy all personnel will wear mandatory PPE: hard hat (when required), high visibility vest/ jacket and safety footwear. Other items of PPE must also be worn according to tasks being carried out and as identified by Risk Assessments and COSHH Assessments.

2.2 Plant Machinery:

Plant machinery used during the construction will have been serviced, maintained and in good, safe working order. Any relevant certificates for the plant will be kept in the site office. Only trained personnel will be authorised to operate the plant machinery.

2.3 Training Requirements:

All operatives to hold current and valid certification for all works carried out.

2.4 Environmental Considerations.

Substances used on site to be stored in manner to contain any spillages. All static plant to have drip trays placed beneath. Emissions i.e. plant, dust to be monitored at all times. All special waste to be removed by licensed contractors to licensed waste disposal premises.

2.5 Monitoring / Supervision Requirements.

Site supervisor to monitor all activities on a daily basis.

2.6 Emergency Procedures.

Administer first aid/contact emergency services as required, then contact head office by the fastest practicable means.



3. Site setup and deliveries

- 3.1 Access into the site will be via the given site entrance. All site traffic and deliveries will access the site **off Hooks Lane directly to the corner of the pitch**. The entrance and access roadway will be secured by the erection of Heras fencing.
- 3.2 Site security fencing will be provided and erected around the site compound and work area by SIS and maintained during the construction duration. This will ensure the public is segregated from the works at all times.
- 3.3 Site storage and welfare facilities will be delivered to site and off loaded by Hi-Ab lorries to the designated areas within the site compound. Site office and canteen cabins will be connected to temporary site power and water supply.
- 3.4 Appropriate fencing shall be erected around personnel cabins to segregate pedestrians from site traffic within site compound
- 3.5 Relevant signage will be erected around the site to inform site operatives and visitors of site procedures and rules etc.
- 3.6 A firefighting post will be setup in the site compound area with relevant signage and information.
- 3.7 All site operatives and visitors will be required to sign in at the site office before entering the work area on a daily basis.
- 3.8 All site operatives and visitors will wear high visibility clothing and safety boots along with other necessary PPE when required.
- 3.9 All SIS site operatives and sub-contractors will be required to attend a site induction before starting work on site to be informed of site rules, procedures and health and safety issues. SIS site manager will be responsible for carrying out these inductions.
- 3.10 SIS tools and materials will be transported to site and stored in storage containers by SIS personnel. Storage containers and cabins will be locked and will be responsibility of SIS only.
- 3.11 Plant machinery will be delivered as and when required on articulated or rigid lorries.
- 3.12 Construction materials will be delivered to site throughout the construction phase on various sized transportation. Materials will be off loaded, either by Hi-Ab or onsite telescopic handler. Efforts will be made to stagger deliveries as to avoid traffic congestion
- 3.13 ***Deliveries will be timed to avoid peak times for the surrounding area.***
- 3.14 ***It is noted that there is a public right of way in front of the existing stands, and should be kept clear at all times. A banksman should be present for all deliveries, as the route for deliveries will cross the public right of way***

Havant RFC Access Route

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2m high heras fencing to secure site with lockable gates and warning signs around new AGP

Compound/storage Areas (exact location to be agreed with the Club)

Access route off Hook's Lane

Existing publicly accessible footpath





Proposed Access Route



4. Earthworks & Site clearance

- 4.2 Take down and remove off site existing rugby posts spectator fencing and pitch side advertising boards where required.
- 4.3 Take down and remove offsite the 4nr floodlighting columns and dispose of off site
- 4.4 The existing 200mm average depth of topsoil will be excavated using 360 excavators and will be removed offsite site by others.
- 4.5 The exposed subsoil will be excavated and re-graded using laser guided dozers to the new proposed formation levels all fill being carefully consolidated in maximum 200mm layers.
- 4.6 The formation will be trimmed to the required levels and proof rolled.
- 4.7 Apply Weed killer to the pitch and pitch perimeter.
- 4.8 Stabilise formation using cement stabilisation to achieve CBR requirements.
- 4.9 The prepared formation will be covered with a porous geotextile with 300mm laps.



5. Drainage & Base works

- 5.1 Drains consisting of 80mm perforated laterals at 10m centres will be installed under the pitch areas. These will discharge through a 150mm plastic perforated collector drain into an existing system, subject to further investigations. Install hydrobrake to control flow of water.
- 5.2 A suitable foundation consisting of an average 300mm thickness of type1 X virgin hardcore will be imported, levelled and consolidated.
- 5.3 A dynamic layer will be installed using laser controlled equipment to ensure correct level tolerances.
- 5.4 The perimeter of the pitch and recesses will be bounded by 150x50mm precast concrete edging kerbs with a concrete bed and haunch.
- 5.5 Install a new 20mm insitu rubber shockpad laid by SIS pitch installation crew using a laser guided paving machine in concurrence with carpet installation.

6. Installation of synthetic grass surface

- 6.1 The rolls of **SIS Rugger 60** synthetic carpet will be delivered to site on an articulated lorry and unloaded with either an on board forklift or the onsite telehandler.
- 6.2 Sand and rubber infill material will also be delivered to site on articulated lorries and unloaded with the onsite telehandler. These materials will be stored in a designated area until required during installation.
- 6.3 Carpet adhesive and materials will be delivered to site and stored in the onsite storage containers until required for installation.
- 6.4 Rolls of carpet will be transported to the pitch area and decontamination area as required by telehandler. The rolls are then manually moved into position and unrolled. 3 or 4 carpet installers will carry out this operation. Carpets are positioned and rolled according to the carpet layout plan. When all carpets have been unrolled and positioned, each carpet is then trimmed and fitted.
- 6.5 Pitch markings for full size rugby and technical areas not tufted into the carpet are then cut into the carpet using specialist tools prior to the carpets being glued. The two part carpet adhesive used is mixed onsite in containers using a 110v mixing drill running off a portable generator.
- 6.6 All operatives will wear gloves and protective eye wear where necessary when working with the adhesive. Once mixed, the glue is poured into a glue applicator box where it is evenly distributed onto strips of glue tape that are manually pulled through the device. When in position, the two sections of carpet being glued are folded over onto the glue strip.



- 6.7 Pitch markings are glued using small sections of glue tape. After allowing time for the adhesive to go 'tacky', each glued seam is rolled to ensure even pressure is applied and to achieve maximum adhesive contact. 4 or 5 carpet installers will carry out the gluing operation. The adhesive is given a minimum of twelve hours to dry before the surface is in-filled.
- 6.8 Sand and rubber are applied into the carpet via a specialised infill machine. The bags of infill are loaded into the machine and, working up and down the pitch area, spread evenly over the pitch at the recommended spread rate to achieve accurate levels.
- 6.9 During the infilling the pitch will be brushed with a drag brush to enable the infill to penetrate accurately over the total pitch area to achieve accurate distribution.
- 6.10 Leave bagged granulate rubber infill with client to top up the pitch in the future.

7. Perimeter fencing

- 7.1 Supply & install 404 metres of Duralock PR1200/3-half mesh, post & 3 rail fencing @ 1200mm high with weldmesh panel in bottom section to include posts as required and angle iron ground fixing steels for a permanent installation to pitch area.
- 7.2 3 pairs of lockable 2m wide (4m access) gates to match to include gate posts, ground fixings and gate furniture
- 7.3 2 nr single 2m wide gate to match to include gate posts, ground fixings and gate furniture
- 7.4 5 x key code padlock to all gates

8. Sports equipment and site furniture

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|-----|--|---|-----|
| 8.1 | Full size rugby posts; 13m high hinged; including socket caps and temporary storage sockets against fence | 1 | set |
| 8.2 | Set of small sided foldable football goals and nets; 3.66m wide x 1.83m high; including weights | 4 | nr |
| 8.3 | Provide 240ltr wheelie bins | 6 | nr |
| 8.4 | Boot wiper / scrapers; fixed within hardstanding or suitable solid foundations | 2 | nr |
| 8.5 | Heavy duty synthetic grass foot mats - 1.50m wide x 3.00m long | 2 | Nr |
| 8.6 | Player signage / rules board; 900 wide x 600 high, flexible laminate acrylic, weather proof incorporating revised footwear wording | 2 | nr |
| 8.7 | Supply & install team shelters | 2 | nr |
| 8.8 | Socketed flagpoles for full size rugby pitch; including socket caps as required; | 1 | set |



8.9	Provide keys to access internal frame casings to litter bins	6	nr
8.10	Install (delivered by others) pitch side advertising boards including spacers where required; size 2.0m x 0.75m	30	nr
8.11	Install (delivered by others) RFU branded 20' storage containers	2	nr

9. Floodlighting

- 9.1 We propose that to floodlight the PPA of the Pitch, we would utilise **six 15 metre** high hinged raise and lower columns. These would be positioned onto concrete piled foundations.
- 9.2 Mounted on the column would be a total of **18 Ultra Low Glare asymmetric beam floodlight, complete with 2kW metal halide lamps.**
- 9.3 The floodlights would be aimed to achieve a maintained average of 200-Lux at a uniformity of 0.60 suitable. The system would be switchable at full and 120-lux level, also in separate halves.
- 9.4 We have assumed the connection to the client's switchgear is located in a building, which we assume to be a maximum of 100 metres from the pitch.
- 9.5 From the switchgear mounted in a building a maximum of 100 metres from the pitch suitably sized XLPE/Steel Wire Armoured/PVC would be installed to the columns. We have assumed that the control switch would be located in a building at the main supply position 100 metres from the pitch.
- 9.6 Mains switchgear control panel to be located at pitch side, for control of the floodlights in halves, including additional cables
- 9.7 Supply and installation of 7-day programmable time switch
- 9.8 Supply and installation of Hours Run/Kwh meter to record energy consumed and hours run meter.
- 9.9 Supply and installation of 1no. amenity floodlight to enable safe access and egress from the pitch.
- 9.10 Manual override switch mounted in weatherproof box at pitch entrance
- 9.11 Electrical installation to Storage container assumed to be within 80m of the pitch side cabinet
- 9.12 Provide all works to allow lighting and power to the storage container
- 9.13 On completion of the work the system would be tested to BS 7671 and the illumination levels recorded and should it prove necessary re-aiming of the floodlights would be carried. Record Drawings & Manuals would be provided of completion the testing.



10. Hardstandings

- 10.1 Construct new hardstanding area to the perimeter of the playing enclosure of varying width
- 10.2 Construct new hardstandings for the storage container and pedestrian access path
- 10.3 Hardstandings to be constructed in 300mm of consolidated clean graded stone and 2 course macadam total depth 65mm laid to 150x50mm concrete kerbs set on a concrete bed and haunch.

11. Reinstatement

- 11.1 On completion of the works the site area and other disturbed areas will be cleared and made good by soiling and seeding.
- 11.2 On completion of the works the disturbed areas of hardstanding will be made good