

TQUK Level 2 Certificate in Design, Engineer, Construct: The Digital Built Environment (RQF)

Resource Document

Norwood Park Sports Centre, Beverley

Scenario

Norwood Park Recreational Club is a sports facility near to the thriving town of Beverley in East Yorkshire.

The centre is used by the local cricket club, football club and bowling club. It is also used for tennis and squash. The centre is not able to manage the demands of new sporting clubs that want to use it. There is also a lack of facilities in the centre to promote its wider use by the local community.

The clubs that use the centre have a combined committee. The committee has raised money through fundraising, grants and sponsorship and this is enough to build a new clubhouse. They are planning for the new design to be all-inclusive and will rename the facility Norwood Park Sports Centre.

The committee also plans to offer improved changing facilities, shared equipment storage, catering for game days and events and a function room with food and drink options. This could be externally hired out to raise further income for maintenance.

Map:

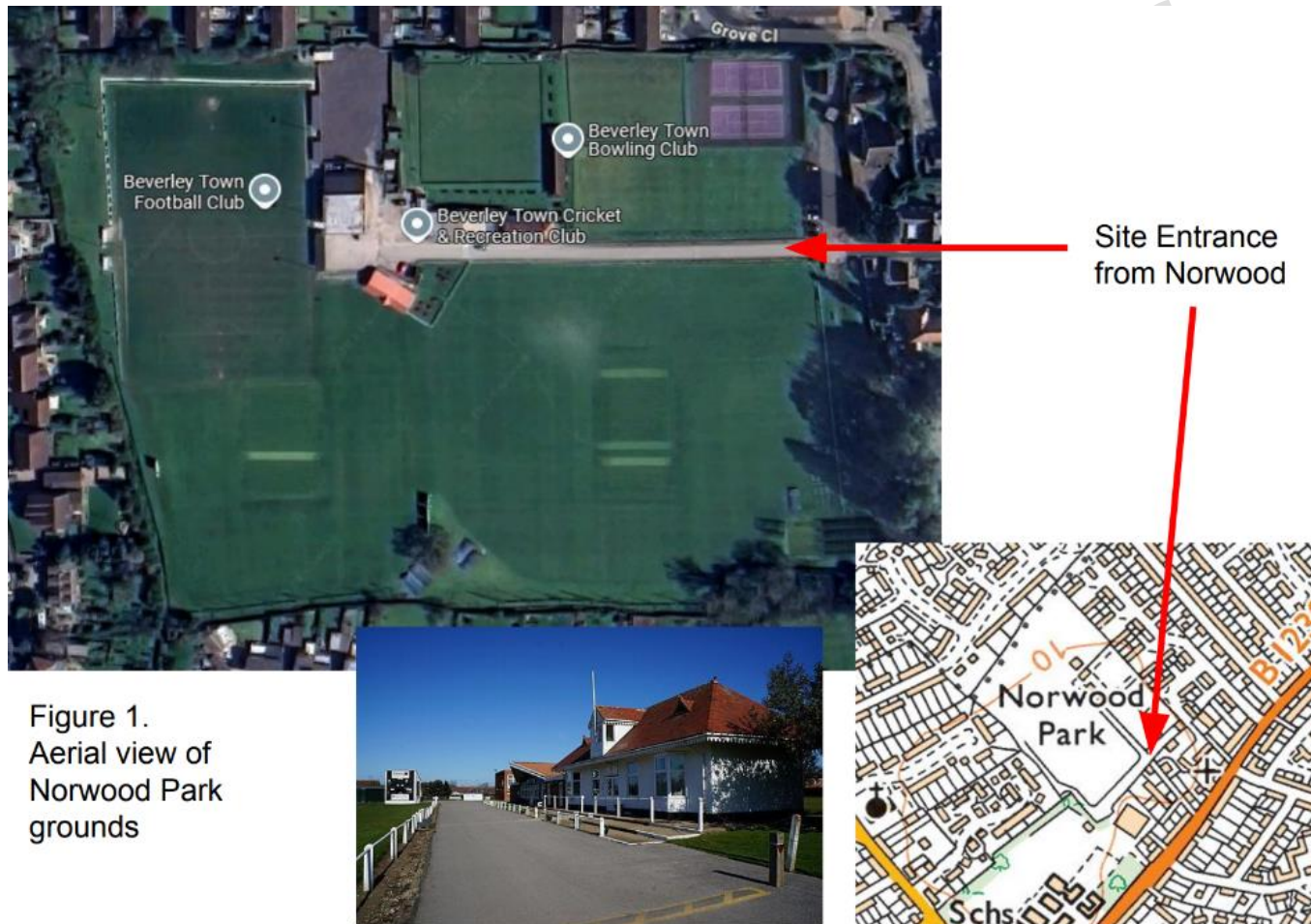


Figure 1.
Aerial view of
Norwood Park
grounds



Figure 2.
View of Norwood Park
Recreational Club from the
entry road

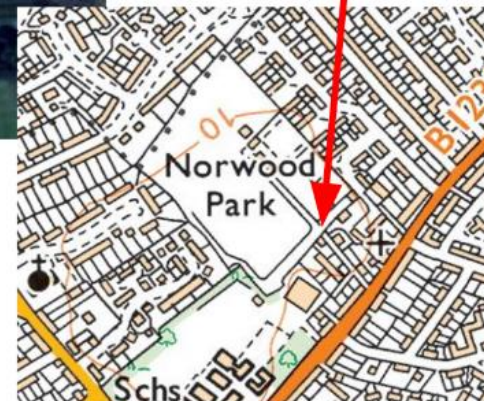


Figure 3.
Map view of Norwood Park
grounds

Brief:

The brief includes:

Ground Floor

- Office 13.20 square metres (m²) (400 lux)
- Medical and Physiotherapy (Medical & Physio) 8.54 m² (500 lux)
- Reception 8.3 m² (500 lux)
- Stairwell 11.76 m² (150 lux)
- Lift 3.63 m² (100 lux)
- Home team changing rooms 44.97 m², plus 2.4 m² hallway (total 47.37 m²) (100 lux)
- Referee (Ref) changing room 8.74 m² (100 lux)
- Away team changing rooms 42.28 m², plus 2.4 m² hallway (total 44.68 m²) (100 lux)
- Equipment room 22.11 m² (200 lux)

1st Floor

- Female toilets 13.20 m² (100 lux)
- Male toilets 9.77 m² (100 lux)
- Accessible toilet 5.37 m² (100 lux)
- Stairwell 11.76 m² (150 lux)
- Lift 3.63 m² (100 lux)
- Function room 98.51 m² (200 lux)
- Kitchen 26.53 m² (500 lux)

Internal floor area 168.33 m²

Budget and costs:

The total building project budget is £750,000.

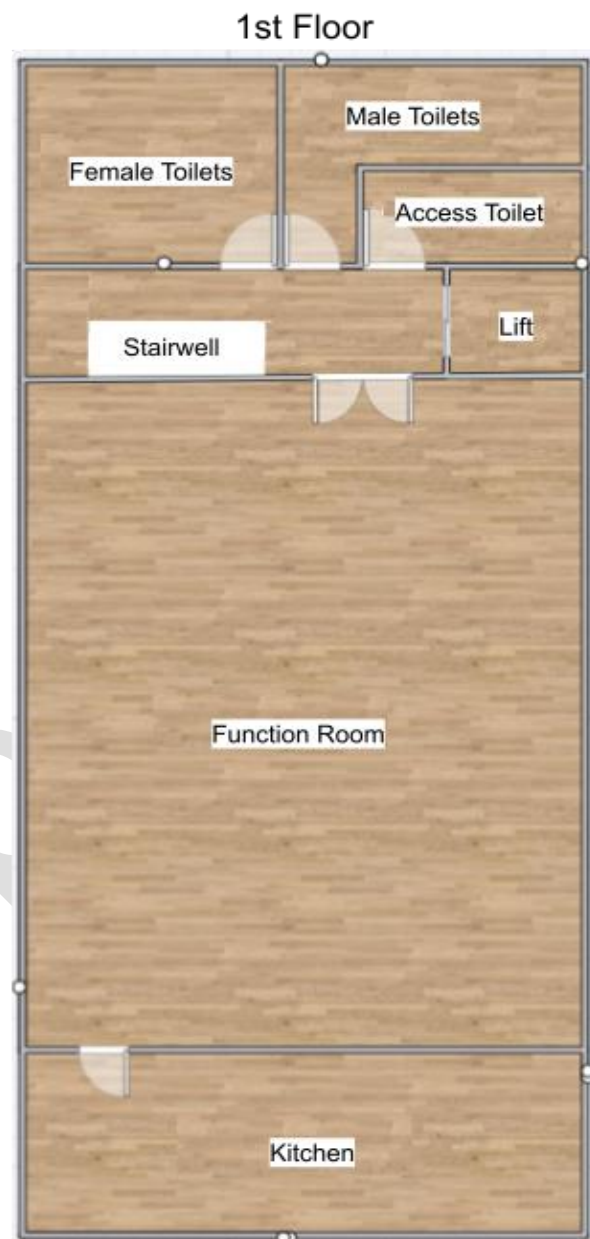
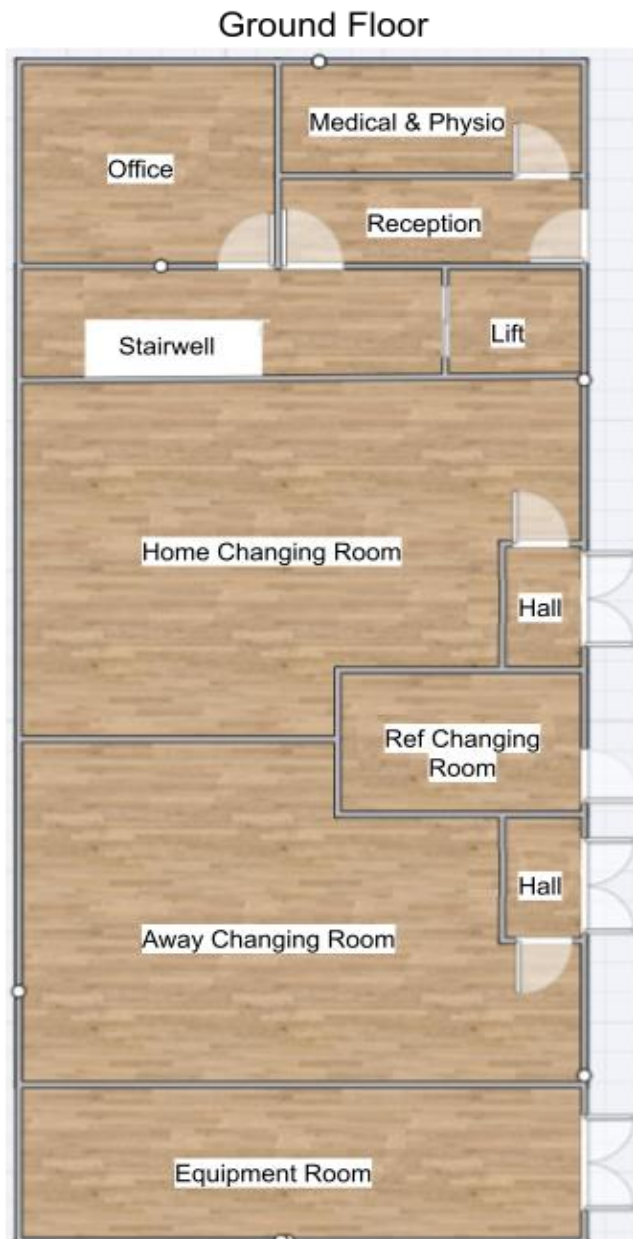
Building Costs

- £2,550 per square metre

Additional Costs

- 22% for internal fit-out costs
- 15% external work
- 12% professional fees
- 6% insurances
- 15% contingency.

Floor plan:



End of Resource Document