

Artificial Grass Pitch

Artificial Grass Pitch: Rugby Union
(130 x 80 m)

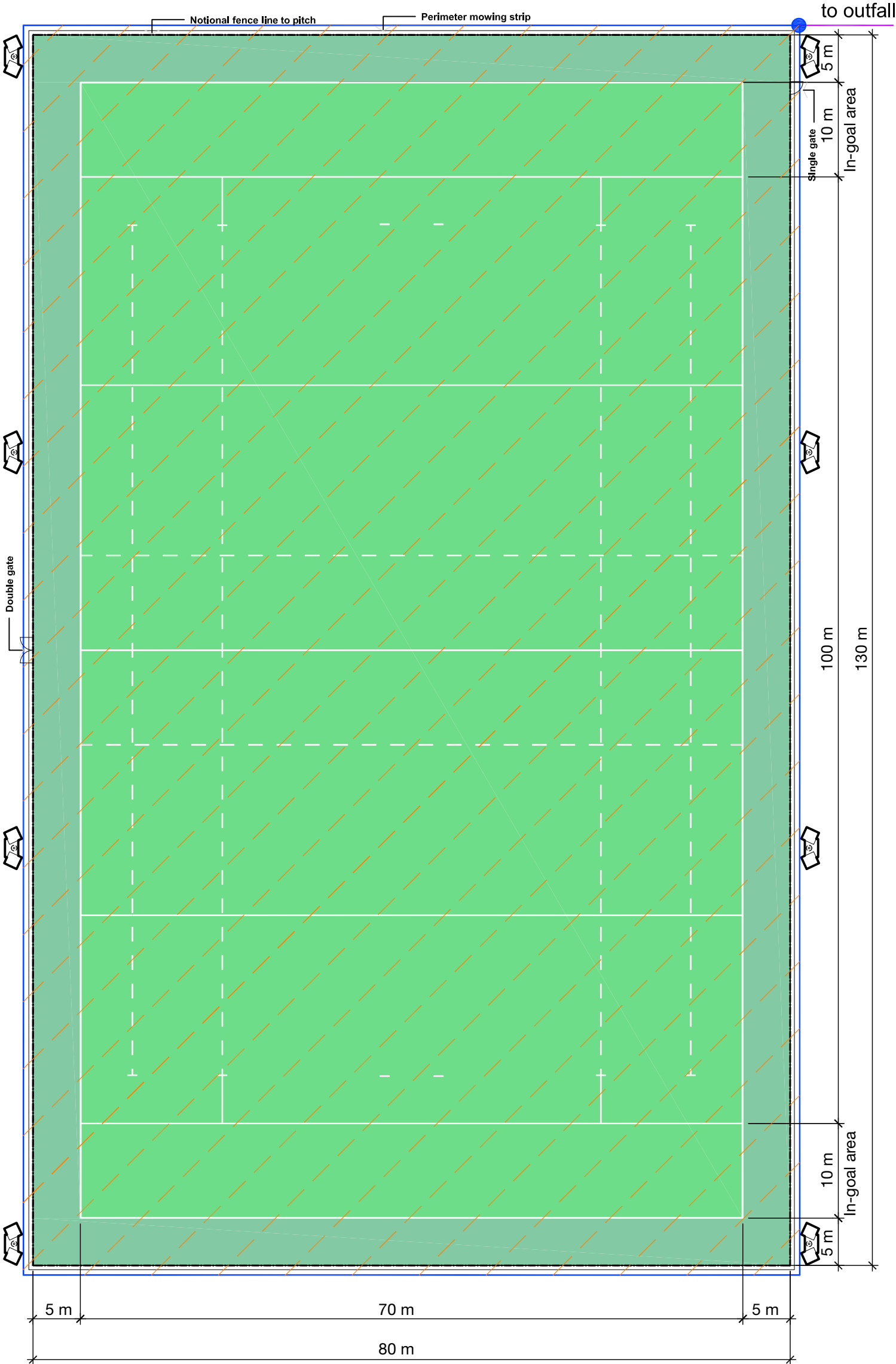
Scale: **Approx 1:500 @ A3**

Notes:
This is an indicative drawing and should be read in conjunction with Sport England's Design Guidance Note **'Artificial Surfaces for Outdoor Sport'** and related NGB guidance.

DO NOT SCALE FROM THIS DRAWING
ALL DIMENSIONS ARE IN METRES

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**Artificial Grass Rugby Union Pitch
130 x 80 m inc. run-off.**
Total overall pitch area: 10,400 m²

Includes:
Pitch based upon RFU's preferred pitch size and recommended minimum in-goal areas and run-off. Continuous perimeter fence.

Outline Specification, Assumptions & Exclusions:

- Assumes a level site (no cut and fill).
- Topsoil (200mm depth) excavated. Sub-soil excavated and carted from site. Formation beneath trimmed and graded to form a plateau having a single plane gradient not exceeding 1%. Cart off site 200mm depth of topsoil and 250mm depth of subsoil - Some topsoil kept on site for landscaping around pitch.
- Geotextile membrane placed onto formation beneath.
- 300mm stone depth (250mm MOT Type 3 and 50mm MOT Type 1) placed on to formation in layers not exceeding 150mm. Final 50mm machine laid.
- Perimeter PC concrete edgings.
- 65mm depth of porous macadam (40mm depth of 20mm nominal aggregate size and 25mm depth of 10mm nominal aggregate size). Macadam machine laid.
- Weldmesh fencing 5m high all round and additional 5m netting behind the goals at each end including single and double gates (positions are indicative subject to site arrangement).
- Services assumptions are based upon adequate power supply and a drainage outfall being available on site within 20m of edge of pitch.
- Pitch lateral drainage system.
- No special ground conditions (i.e. ground stabilization or decontamination are excluded).
- Slabbed mowing strip outside fence line.
- 8 x 15m high column floodlighting system giving 200 lux.
- Artificial Grass Carpet 3G 60mm-65mm carpet plus 25mm insitu shockpad and line markings. Artificial surfacing system to meet current NGB performance requirements.
- Includes Sports Equipment (Rugby posts), Maintenance Equipment (tractor and drag brush), Path to pitch (not shown) and reinstatement.
- Layout includes pitch, run-off and fence/gates only. Site, car parking, pavilion are excluded.
- Multi-sport pitch use is excluded. If cross pitch markings are to be applied, recesses for pitch goal storage have to be included in the fence line which will impact upon both overall pitch area and site area requirements.
- Pitch size and line marking layout to be approved by all stakeholder groups including funders and NGBs at the design stage

KEY

- Pitch area and in-goal area
- Safety margin 5m wide
- Fencing
- Indicative sports lighting column location
- 80 mm Ø corrugated perforated diagonal laterals @ 5 m intervals
- 150 mm Ø corrugated perforated collector to pitch perimeter
- 150 mm Ø non-perforated twin wall smooth pipe
- Inspection chamber/Catch Pit