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APPLICATION REFERENCE: FG/6/26/PL

APPLICATION SITE: LITTLE TWITTENS RECREATION GROUND
SEA LANE
FERRING
BN12 5DY

PROPOSED DEVELOPMENT: INSTALLATION OF A NEW DOUBLE NON TURF CRICKET TRAINING STRIP (ASTRO WICKET) WITHIN THE EXISTING PLAYING FIELD, REPLACING ASTRO SURFACE WITH A NEW ECB APPROVED SYNTHETIC SURFACE, REORIENTATION FROM EAST-WEST TO SOUTH-NORTH FOR IMPROVED SAFETY AND USABILITY, NEW WICKET WILL BE INSTALLED ON A DYNAMIC AGGREGATE BASE USING THE NOTTS SPORT ENVELOPE SYSTEM WITH A NOTTSGRASS ULTRA SURFACE, THE STRIP WILL BE SLIGHTLY EXTENDED TO ENSURE BOWLERS LAND ON THE SYNTHETIC SURFACE RATHER THAN GRASS, PREVENTING DAMAGE TO THE OUTFIELD AND IMPROVING SAFETY OF PLAYERS AND WALKERS USING THE FIELD ALIKE. THIS APPLICATION IS IN CIL ZONE 4 (ZERO RATED) AS OTHER DEVELOPMENT.

DOCUMENT PURPOSE: TO PROVIDE DRAINAGE INFORMATION PERTINENT TO THE PROPOSAL

INTRODUCTION

This document provides drainage details in response to a validation letter sent by Arun District Council on 27/01/2026, in relation to planning application FG/6/26/PL which seeks to develop an artificial double cricket pitch on site of a smaller artificial cricket pitch and adjacent concrete pad and maintained grassland.

AUTHORITY REQUEST

'Please provide the required surface water drainage information in separate documents as indicated in the planning Validation Requirements List.'

DESIGNER RESPONSE

The subject application has now been supported with location, block and cross-section plans. The latter drawing is most relevant to the drainage query as it illustrates the construction of the development: an artificial turf surface (NottsGrass Ultra) with underlying shockpad (NottsPad), geotextile (NottsFilm) and stone aggregate layers. It is important to note that all the construction materials are porous/permeable to attenuate surface water in the stone base.

The Environment Agency classify the site as 'Flood Zone 1'; an area with a low probability of flooding, per their Flood Map for Planning service. Based on this classification, the very minor scale of development and lack of localised flood issues, infiltration testing was not undertaken for the proposals. Further, the development is proposed over relatively even topography such that increased surface flow rates are not anticipated.

The development covers an area of 164.40m², of which 15m² will replace the existing artificial cricket pitch and 8m² will replace the existing concrete pad. Accordingly, 141.40m² is considered new development, yet the entire 164.40m² area will be developed per the cross-section with a minimum 100mm of stone sub-grade with 30% void ratio typical. The attenuation potential of the development is therefore 4.93m³ based on the minimum stone volume.

CLOSING

Based on the above considerations, the proposed development is deemed to suitably attenuate surface water without increasing local flood risk.

Regards,
Jason