



SURFACE WATER DRAINAGE STRATEGY			
CATCHMENT	TYPE	ASSUMED PROPOSED DEVELOPMENT AREA (HA)	ASSUMED PROPOSED IMPERMEABLE AREA (HA)
A	Sports Pitch	4.20	1.05
B	Pavillion	0.06	0.06
C	Car park Access Area	0.04	0.04
TOTAL		4.30	1.15

- KEY:**
- Site Boundary
 - Catchment A
 - Catchment B
 - Catchment C
 - Indicative Location of Attenuation Basin & Indicative Earthworks Buffer (1:3 Side Slopes)
 - Indicative Location of Low Flow Channel
 - Indicative Location of Proposed Surface Water Sewer and Manhole
 - Infiltration Test location
 - Window Sample location
 - Proposed headwall
 - Indicative Location of Proposed Surface Water Filter Drain
 - Root protection zone
 - Existing Thames Water Foul Water Sewer
 - Indicative Location of Proposed Conveyance Swale
 - Indicative Location of Proposed Water Foul Water Sewer
 - Indicative Location of Proposed Gully

- NOTES**
- These drawings have been produced with reference to the CDM Regulations 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9
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 - No assessment of earthworks has been undertaken at this stage.
 - No utilities, ecological and arbor-cultural consideration.
 - Drawing should be read in conjunction with all other relevant scheme drawings.
 - Drawing Includes:
 - Masterplan provided by Define in October 2025 (Drawing No: DE-565).
 - Contour lines (0.5m) taken from Topographic Survey (not formally issued)
 - Contour lines (1m) produced using 1m DTM LIDAR from the Environment Agency April 2022. OS Mapping (not formally issued)
 - An infiltration rate of $2.63 \times 10^{-3} \text{ m/s}$ from location IT01 was used from the 2024 Geo Environmental Group Infiltration testing and ground water monitoring report (GEG-24-821/IT).
 - Surface Water Drainage Strategy based on:
 - Attenuation Basin is 1.525m deep.
 - Attenuation features to have a minimum 300mm freeboard.
 - The proposed attenuation infiltrates through the base of the attenuation basin only.
 - Drainage for sports pitches designed by others.
 - Outfall rate from the sports pitch has been designed to the Loughborough Method, which assumes that 25% of the pitch area is impermeable.
 - Assumed 100% impermeable for car park access areas and Pavillion.
 - Assumed permeable surfacing for car park bays, to be made from material such as gravel or grasscrete.
 - FEH-22 Rainfall Data used with CV 1.0 for Summer and Winter.
 - Woolams Playing field Proposed levels drawings (Ref:TGMS1284.4-1) provided by specialist consultant TGMS. Received 11th July 2024.
 - Tree Survey Plan (Ref:8575-T-03 Tree Survey Plan.pdf) and subsequent Root Protection zone (RPZ) indicatively shown on plan received from Hallam Land on 22nd January 2024.



- RISK ITEM**
No. 1
- Risk Item 1: No allowance has been made for additional inflows outside of the Loughborough method calculation from the sports pitch to enter proposed drainage network into the attenuation feature.
- Risk Item 2: Proposed location of attenuation feature is in close proximity to existing Root Protection Zones (RPZ) and Ecology Buffer zone. The basin dimensions required to attenuate surface water are based on the accuracy of Topographical survey data.

REV	DATE	REVISION NOTE	BY
P06	22/10/2025	REVISED MASTERPLAN	SF
P05	23/09/2025	INFILTRATION RATE AND SWALE ADDED	AB
P04	19/03/2025	REVISED SWDS	SF
P03	04/12/2024	UPDATING RED LINE BOUNDARY	JIG
P02	15/11/2024	REVISED DRAINAGE STRATEGY	SF
P01	23/08/2024	DRAFT FOR COMMENT	NER



CLIENT: Hallam Land Management Limited and St Albans School

PROJECT: Woollam Park, St Albans

DRAWING TITLE: Indicative Drainage Strategy Sports Pitch Area

DRAWING ISSUE STATUS: INFORMATION

PJA JOB No. SUB-CODE DRAWING NO. REVISION
05920 - A - 0503 - P06

SCALE: A1@750 DRAWN: NER REVIEWED: GD DATE: AUG 2024