Wiltshire Council Planning Consultation Response

29 August 2023

Wiltshire Council Drainage Engineer
Technical Services Drainage Engineer
Wiltshire Council.

Officer's Name: Julie Mitchell
Direct Line: 01722 434378

Application No: **PL/2023/07027**
Outline planning permission: All matters reserved
Outline application (with all matters reserved except access) for the erection of 9 new dwellings
Cuckoo Pen, Winterslow Road, Porton, Salisbury, SP4 0LF

Please note the particulars in connection with the above planning application are available to view on the planning website http://www.wiltshire.gov.uk/planninganddevelopment.htm

Recommendations:

	No Comment
	Support
	Support subject to conditions (please set out below)
X	**Object (for reasons set out below)**
	No objections

Matters Considered:

- Illustrative sketch site plan.pdf
- Location plan.pdf
- Planning Statement.pdf

The Wiltshire Council Strategic Flood Risk Assessment, SFRA Data Explorer, shows:

- The site is located within Flood Zone 1.
- The site has a **medium** ground water flooding risk. Groundwater levels are between 0.5m and 5m below the ground surface. Yellow in image below
- The site itself has a low risk from surface water flooding however Winterslow road has a high pluvial flood risk (1 in 30 year).

In line with Wiltshire Council's Standing Advice 2, a site-specific Flood Risk Assessment (FRA) is required for this application for the following reason:

- Land that may be subject to other sources of flooding (ground water), where its development would introduce a more vulnerable use.

Applicants must follow the planning practice guidance for completing a flood risk assessment for a planning application.

The site-specific FRA should demonstrate that the site is not adversely affected by flood risk from different sources, and how the flood risk from **all sources** will be managed without increasing flood risk to the development itself or elsewhere. It should also outline the proposed drainage strategy for the site. The applicant is referred to the Environment Agency's advice on how to prepare an FRA, as well as their standing advice for vulnerable developments.

With respect to the drainage strategy, any proposals should be designed in accordance with the Non-statutory Technical Standards for Sustainable Drainage Systems and the latest SuDS Manual (C753).

The surface water drainage strategy should include/demonstrate the following:

- Existing greenfield runoff rates for the site.
- Post development runoff rates in accordance with Wiltshire Council's betterment policy update, which can be found here.
- A detailed plan showing the existing drainage features on the site and how the proposed drainage strategy will be implemented.
- A detailed topographical survey that clearly identifies the existing drainage features on the site as well as level contours to show overland flow routes.
- If infiltration is proposed, soakage tests in accordance with BRE 365 to demonstrate that infiltration is feasible.
- Calculations to demonstrate the attenuation requirements for the 1 in 100 year plus climate change event to support the proposed strategy.
- Consent for any outfalls from the proposed drainage systems into a public sewer or other drainage system not owned by the applicant.

- Evidence that the impact upon existing drainage systems is mitigated by discharging the flow throughout the management train rather than relying upon a single point of discharge.
- SuDS source control measures to manage water quantity and maintain water quality have been implemented wherever possible and throughout the management train so the development is not reliant upon large attenuation features close to the points of discharge.
- SuDS have been selected to provide a wide range of benefits including amenity, biodiversity and maintaining water quality.
- Adequate measures during construction to control pollution to existing watercourses and groundwater.
- The strategy mimics the existing drainage characteristics of the site by retaining and utilising any existing drainage features.
- Existing flood flow routes through the site have been maintained or where they will be affected, adequate measures to intercept and safely control flows through the site have been provided to ensure flood risk is not increased elsewhere.
- If infiltration is proposed, it is implemented in manner that does not create an offsite impact, particularly if there are reports of groundwater flooding in the area.
- Surface water can be safely managed within the proposed development, up to and including a 1 in 100 year plus climate change event.
- All proposed drainage features are outside flood zones 2 and 3 and where they are adjacent to an ordinary watercourse, they are not located within the EA surface water flood maps. Where drainage features are located adjacent to flood zones 2 and 3, they must be above the 1 in 100 year plus climate change flood level. This information can be provided by the EA.
- Exceedance routes that minimise the risks to people and property.
- Details of how the proposed and existing drainage features on the site will be maintained and managed after completion with confirmation from the relevant authority that they will adopt any systems that are being offered for adoption.

Informatives:

The table below stipulates the information typically required at each application stage. Provision of the correct information will expedite the processing of applications by the drainage team.

Pre-app	Outline	Full	Reserved matters	Discharge of conditions	Document to be submitted
✓	✓	✓			Flood Risk Assessment / Statement
✓	✓	✓			Drainage Strategy / Statement & sketch layout plan
	✓				Preliminary layout drawings
	✓				Preliminary “Outline” hydraulic calculations
	✓				Preliminary landscape proposals
	✓				Ground investigation report (for infiltration)
	✓	✓			Evidence of third party agreement for discharge to their system (in principle/ consent to discharge)
		✓		✓	Maintenance program and on-going maintenance responsibilities
		✓	✓		Detailed development layout
		✓	✓	✓	Detailed flood & drainage design drawings
		✓	✓	✓	Full Structural, hydraulic & ground investigations
		✓	✓	✓	Geotechnical factual and interpretive reports, including infiltration results
		✓	✓	✓	Evidence of measures to prevent pollution of the receiving groundwater and/or surface waters
		✓	✓	✓	Drawings showing conveyance routes for flows exceeding the 1 in 100 year plus climate change
		✓	✓	✓	Detailed landscaping details
		✓	✓	✓	Discharge agreements (temporary and permanent)
		✓	✓	✓	Development Management & Construction Phasing Plan

--

James Playfair (Atkins), working on behalf of Wiltshire Council Drainage.