

Langfords Car Spares, Semley, Shaftesbury, SP7 9AQ

18th June 2026

Planning App Ref: PL/2026/01038

Such Salinger Peters Ltd (SSP) are the Drainage Consultant working for the client on the above application. SSP have submitted a drainage strategy and flood risk assessment as part of these works. This letter is in response to the Wiltshire Council Drainage Team 'Holding Objection: Further Information Required'.

This letter report intends to set out any requested information that is available and details a plan of action to provide any additional information required.

The following sections will each deal with a separate bullet point from the abovementioned letter.

Runoff Rates

The Greenfield rates, covering just the area serviced by the proposed drainage, for 1-1, 1-30, and 1-100 year events (without climate change), are 2l/s, 5.5l/s, and 7.6l/s respectively. We are proposing a limiting discharge rate of 2l/s. This matches the 1 in 1 year rate and provides a massive betterment to the 1-30 and 1-100 year rates. Note that we design to ensure the 1-100 year event plus 45% climate change produces no exceedance flows, and events in excess of this do not compromise the storage. Sizing the flow control as such means that for the 1-1 year event without climate change the discharge rate will only be 1.8l/s.

Limiting the rate for smaller events introduces additional risk of blockages, thereby increasing flood risk for the larger events.

SuDS

Trial holes and long term borehole groundwater monitoring have shown that the ground is both low permeability and with a shallow water table. The shallow water table disallows infiltration features such as infiltration basins and rain gardens. A pond was considered for storage, but the land take and required position would be unsuitable for the proposals. We would also be facing issues with rising ground water affecting the pond. Conveyance features such as swales have little value on the small site and considering the necessity of below ground storage.



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BRE 365 tests

As above, we have undertaken groundwater monitoring that eliminates the viability of soakaways. There is therefore no benefit to BRE 365 tests.

Detail of Impermeable Areas, Runoff Generation

Initial trial pits showed that the existing ground is a heavy clay with a graded aggregate bearing surface. Apart from the limited attenuation and conveyance granted by the surfacing, the site is effectively impermeable and generates runoff to the existing positive drainage system or directly to the ditch system. Although the proposals are 100% impermeable, they therefore produce little to no extra runoff volume than the existing. Additionally, due to the proposed attenuation, the runoff rate is significantly reduced for all relevant storms.

Ditch Capacity

It has been proved above that proposed flows offsite are lower than existing in all relevant storms, therefore flood risk is not increased elsewhere.

Overland/Exceedance Flow

Please see drawings 80757-07 and 80757-08. The flow paths are only minimally changed, with the ultimate destination remaining unchanged. As proved above, the proposed flow during all events (including those that exceed the design storms) is reduced from pre-development levels.

Surface Water Flow Routes

Please see drawings 80757-09 and 80757-10. The proposals do not provide meaningful restriction to existing overland flow routes. Of additional note is that this route is present only when the capacity of the existing culverted stream is exceeded. The discharge from the site to the stream will be reduced, providing betterment to this route.

Water Treatment

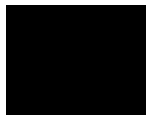
The site is closest classified as non-residential car parking with infrequent change. The guideline pollution hazard indices for this being 0.5 for total suspended solids, 0.4 for metals, and 0.5 for hydrocarbons. Due to the unsuitability of the site for SuDS measures, we propose an in-line treatment unit between the flow control and outfall. This would be a SPEL SHV 200/30 Smartceptor or similar, providing mitigation indices of 0.5 for total suspended solids, 0.4 for metals, and 0.5 for hydrocarbons.

Consent to Discharge

We have contacted the Local Lead Flood Authority, who raised no objections to our proposals. The Drainage Engineer from the Local Lead Flood Authority advised that we would need to submit the plans to the Local Planning Authority for them to then confirm acceptance of the rate. We tried to obtain pre-approval but they said they could not until they were consulted as part of the Planning process.

I trust the above clarifies any concerns and would appreciate a re-review of our submission.

Steph Howard



HNC EngTech MICE
Director
18th June 2026