

From: [Jessica Clarke-Roome](#)
To: [SDDC Planning Applications](#)
Subject: FW: DMOT/2024/0469 _ Site A, Park Road, Cadley Park/William Nadin Way, Swadlincote,
Date: 24 September 2024 12:04:44 PM

From: Farhad Poursadr (Place) <Farhad.Poursadr@derbyshire.gov.uk>
Sent: 24 September 2024 12:02
To: Jessica Clarke-Roome <Jessica.Clarke-Roome@southderbyshire.gov.uk>
Subject: RE: DMOT/2024/0469 _ Site A, Park Road, Cadley Park/William Nadin Way, Swadlincote,

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Hi Jessica

Thank you for providing the requested information, I have reviewed this information and discussed it with the LLFA team, and confirm that we have no objection to the increased flow restriction from 21.8 l/s to 35.1 l/s, however we need the following information.

- Please confirm flow restriction figures for Q1 (Greenfield runoff 1 in 1 year), Q30 (Greenfield runoff 1 in 30 year) based on site area of 3.05 ha. The Microdrainge calculations should show the restricted flows for 1 in 1 year, 1 in 30 year and 1 in 100 year plus 40% climate change equal to Q1, Q30 and Q100 (35.1 l/s). A complex flow control can be used when different storm events need an individual flow control system, i.e. 1 in 20, 1 in 50 etc, requiring the installation of two or more flow control devices..
- Applicant need to provide, maintenance and management plan. The applicant should provide a 'SuDS Audit' and a maintenance plan for the proposed drainage system and provide details of who will maintain the proposed drainage system for the lifetime of the development. Details of how the on-site surface water drainage systems shall be maintained and managed after completion and for the lifetime of the development to ensure the features remain functional.
- Applicant to provide detailed design of the proposed ponds in accordance with CIRIA SuDS manual C753 , for the proposed pond, a plan and cross sections are required showing gradients of slopes, permanent water level, maximum water level for storms up to 100 year plus 40% climate change, other details such as freeboard and outlet details (CIRIA SuDS Manual C753)
- Exceedance flow route for the ponds will be required for rainfall events that exceed the design capacity of the pond and to convey flows should outlet blockage occur (refer to section 23.4.5 of CIRIA SUDS Manual)
- Details of outfall and all proposed headwalls to be provided.

Let me know if you need further information.

Kind Regards

Farhad Poursadr | Project Engineer
Flood Risk Management

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