



siaw mail <siawltd@gmail.com>

PR201780 - 59 Redington Road, London

Elaina Tomalin <Elaina.Tomalin@polypipe.com>

4 April 2016 at 15:39

To: siaw mail <siawltd@gmail.com>

I have had a chance to review your requirements for the attenuation sizing and have conducted the calculations using the Microdrainage software as outlined below. The Microdrainage outputs are attached for your reference (PR201780).

1 No. 220m² Hard Standing Area Attenuation

I have sized the attenuation tank according to the parameters stated below:

Supplied information

Contributing Area - 0.022 ha

Discharge Rate – 5 l/s

Assumed Information

A Return Period of 10 years

20% Climate change factor

Proposal

Estimated soakaway size: **1.0m x 1.0m x 0.4m**

Number of cells (PSM1A): **2** (based on appropriate loading conditions) – as it is an attenuation tank the cells can be arranged as the customer requires, however a structural calculation may be required to confirm the expected structural performance of the tank.

This gives a half drain time of 1 minute which is within the 24 hour recommended limit.

Polypipe product offer: PSM1-A Polystorm crates. Polystorm 610kN/m² modular cells, sized at 1000x500x400mm with a 95% void ratio. The Polystorm-R (PSM1A) is manufactured from 100% specially selected and controlled, single source recycled materials.

Please let me know if you have any comments or questions.

Kind regards,

Benjamin McManus

Technical Engineer



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Polypipe Ltd

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2 attachments



PR201780_BM_MD (220m²).pdf

128K



RR29 - SUDS OPTIONS.PDF

1455K