

AnnS Jones

From: Sharon Holman
Sent: 07 March 2017 16:51
To: planning_admin
Subject: FW: P/2017/0138 Discharge of conditions - Boozey Field
Attachments: 6568 SW03 SW Calculations.pdf

Civ – drainage report below and attached

From: Andy Jones [<mailto:ajones@coopers.co.uk>]
Sent: 07 March 2017 16:33
To: Sharon Holman; Justin Paul
Cc: michael.forgrave@gowerhomes.co.uk
Subject: RE: P/2017/0138 Discharge of conditions - Boozey Field

6568 Boozey Field **P/2017/0138 Discharge of conditions**

Sharon

Unfortunately we don't have a detailed drawing of the Flow Control / cellular crate / basin at the moment, but I attached the MicroDrainage calculations and the following explanation. We will also work on the drawing later in the week and issue when available.

We have been in discussions with Welsh Water about the attenuation arrangement and they have confirmed they will accept a Hydro Stormcell for 30-year storage with a private managed basin above the Stormcell providing storage for the 100-year +30%CC storage. Originally we have designed the tank as on-line, but WW requested it to be an off-line arrangement.

S17 II = 93.614, as the tank is now off-line the base will be set above at 93.00 which will allow for low flow events to be kept in the piped network.

The Overflow pipe into the pond will be set above the Q30 water level (53.514) and the base of the basin will be at 93.770 (min 600mm above top of crates). This overflow pipe will have a silt trap to reduce any siltation being carried forward back into the network. The basin will have a slight fall towards the headwall outfall pipe. Basin maximum depth to be 600mm.

Hope this helps for now.

Regards

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