

From: Paul Cann
Sent: 13 February 2018 16:20
To: Juan Baeza
Subject: RE: WA/78/17/DOC

Yes – but 502B should now be replaced with rev C (just received via email) – see attached

Other details missing from your email also enclosed

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

Paul Cann | Senior Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre,
Maltravers Road, Littlehampton, BN17 5LF

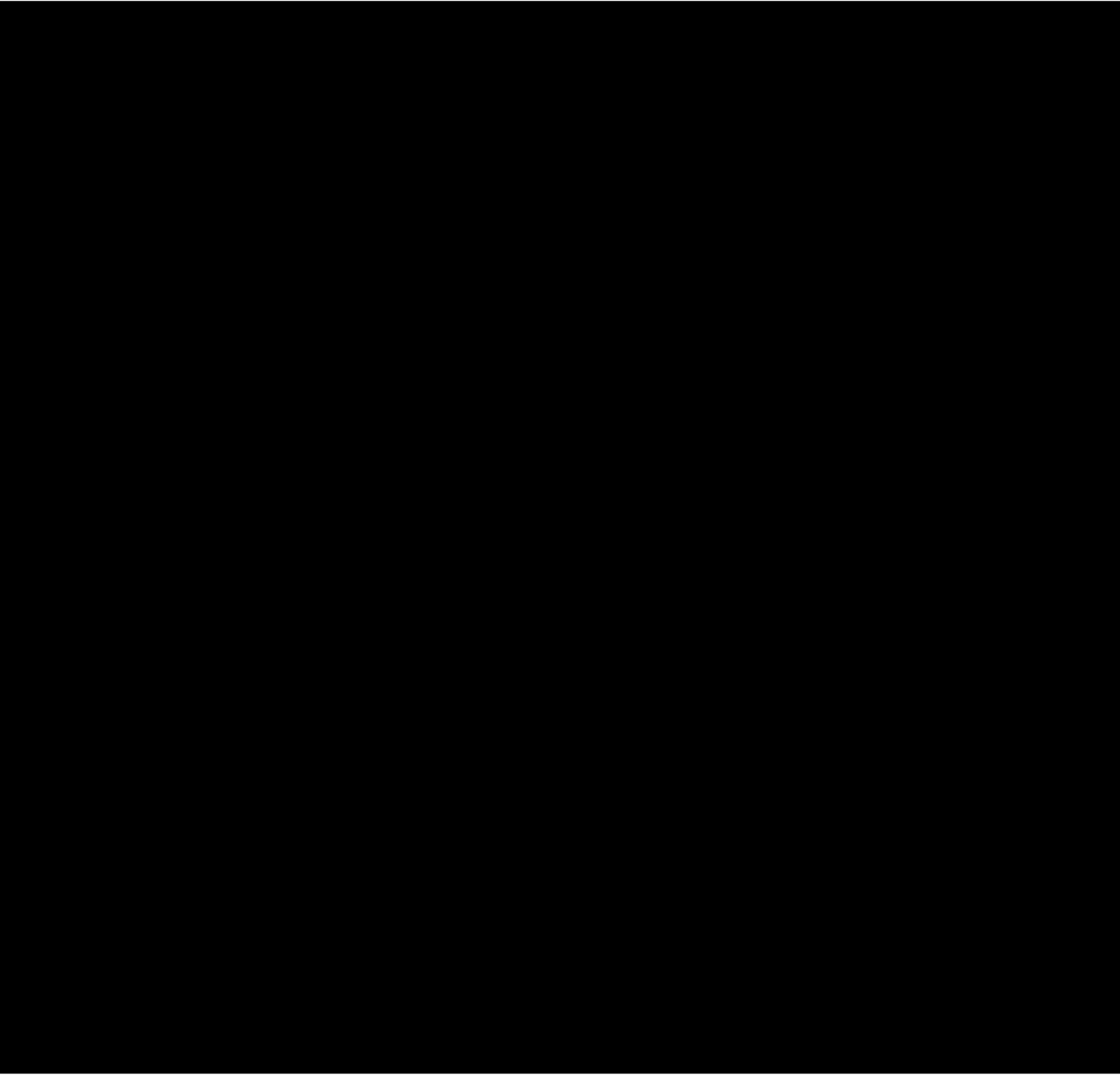
Internal: 37819 | External: +44 (0) 1903 737819 | Fax: +44 (0) 1903 716019 | E-mail: Paul.Cann@arun.gov.uk

Arun is Working in Partnership with Chichester District Council

Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.



From: Daphne Hobbs-Green [REDACTED]

Sent: 11 February 2018 23:21

To: Juan Baeza

Subject: Fwd: Oakview (formerly Red Cottage); Arun District Council Planning Application WA/34/17/PL (Granted) and WA/78/17/DOC (Reserved Matters)

Dear Mr Baeza

Could I please ask you to forward these latest designs to the Tree Officers, Bernie Harveson and Mark Warwick as they were omitted unfortunately.

Many thanks
Daphne Hobbs-Green

Begin forwarded message:

From: Chris Slade [REDACTED]
Subject: Oakview (formerly Red Cottage); Arun District Council Planning Application WA/34/17/PL (Granted) and WA/78/17/DOC (Reserved Matters)
Date: 9 February 2018 at 13:04:01 GMT
To: Paul Cann [REDACTED]
Cc: Daphne Hobbs-Green [REDACTED], Marco Bartolini [REDACTED]
Andrew Davey [REDACTED]

Dear Paul

Thank you for your time on the phone yesterday.

I will respond to your comments below which I extracted from your most recent email previous email:

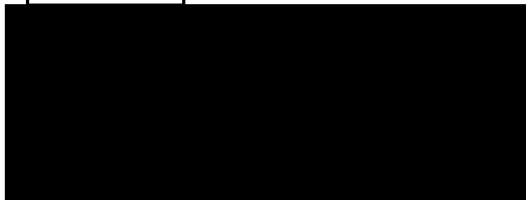
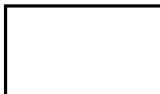
1. Confirmation is required from our tree officer in respect to the construction within the root zone to ensure there is no conflict of interest. - Noted - I trust that this is progressing.
2. In order to prevent confusion, it is necessary to make it very clear that drawing no. C1036 P100 P1 is for the permeable pavement and must be read in conjunction with the Haworth McCall drawings. However, the McCall drawings needs amendment to suit, ie. remove the permeable pavement arrangements shown and make the modifications to the catch pit detail as per my email to Brendan Haworth dated the 24th January 2018, ie. specify 300mm deep sump. The cross section through the crate soakaway also needs to be updated to reflect the revised sizing. If it is easier, perhaps include all the drainage details on the CGS civils drawing? - Revised drawing attached from Haworth McCall which includes these changes. The building and external drainage has been separated.
3. Channel drain – specify outlet pipe diameter/gradient and connection level to crates. - Added to drawing
4. There is a significant slope on the on the permeable paving surface. In order to retain the water in the structure and prevent it from just running to the lowest end and coming to the surface, the formation level of the clean stone needs to be relatively level and therefore the depth of stone will increase as the finished levels rise. 200mm depth of stone needs to be achieved at the lowest end. The arrangement of this is also dictated by the root protection zone, so it needs to be made clear as to how the storage, etc is going to be fully achieved. Impermeable dams may need to be incorporated into the permeable pavement construction. Additional/revised cross sections should be provided to make it clear. - Following on from our chat I have added an additional 'porous stone blanket' to deal with any surplus volumes which will be located outside of the RPA. As discussed however, the calculations confirm that the paving at that gradient will work for the 1 in 100 + 30%. These are attached along with a graphic representation of the system during the peak rainfall event. The additional stone however will provide an additional level of redundancy.
5. The permeable pavement edgings where the clean stone is shown above ground level will need to be a robust construction to prevent water escaping ie. Alter/provide details. - As discussed, I have shown a membrane that will run up the timber edging to provide a similar level of protection as we will be unable to have a standard concrete kerb and bedding.
6. A permeable geotextile should be wrapped completely around the clean stone sub base to ensure that fines do not clog the stone - noted and added

I trust that this now satisfies your last remaining concerns so that these conditions can be cleared.

Please do not hesitate to ask if you require any additional information.

Many Thanks and Kind Regards

Chris Slade **FIHE**
CGS Civils Ltd



This e-mail and any attachment is intended for the named addressee(s) only, or person authorised to receive it on their behalf. The content should be treated as confidential and the recipient may not disclose this message or any attachment to anyone else without authorisation. Unauthorised use, copying or disclosure may be unlawful. If this transmission is received in error please notify the sender immediately and delete this message from your e-mail system. Any view expressed by the sender of this message or any attachment may be personal and may not represent the view held by the Company. All electronic transmissions to and from the Company are recorded and may be monitored. CGS Civils Ltd, Registered in England No. 8546903, VAT Registration No. 169950851