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From: Andrew Wood <Andrew.Wood@arun.gov.uk>

Sent: 05 February 2020 15:52

To: Planning.Responses <Planning.Responses@arun.gov.uk>

Subject: FW: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Consultee response pls. upload

Andrew Wood MRTPI | Senior Planning Officer, Planning Department, Arun District Council |
Location: 1st Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: 37768 | External: +44 (0) 1903 737768 | E-mail: andrew.wood@arun.gov.uk



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From: Andrew Wood

Sent: 05 February 2020 15:48

To: Planning.Responses <Planning.Responses@arun.gov.uk>

Subject: FW: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Andrew Wood MRTPI | Senior Planning Officer, Planning Department, Arun District Council |
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From: Paul Cann <Paul.Cann@arun.gov.uk>

Sent: 05 February 2020 15:35

To: Robert Steventon [REDACTED]

Cc: [REDACTED] 'Steve Butchart' <[REDACTED]>; Richard Sloman
[REDACTED]; Kevin Lang <[REDACTED]>; Andrew Wood
<Andrew.Wood@arun.gov.uk>

Subject: RE: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Hi Robert

Land Drainage Consent enclosed. The contractor will need to notify us once works commence.

In respect to condition 10, I have copied in the planning officer, whereby you will probably have to submit the agreed drawings (specified in attached consent), etc to him, so the condition can be formally discharged.

Regards

Paul Cann
Principal Engineer (Drainage)

Paul Cann | Principal Engineer (Drainage), 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
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From: Robert Steventon [REDACTED]
Sent: 04 February 2020 16:40
To: Paul Cann <Paul.Cann@arun.gov.uk>
Cc: [REDACTED] Steve Butchart' [REDACTED] Richard Sloman
[REDACTED]; Kevin Lang <[REDACTED]>
Subject: RE: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Paul,

Thanks for your comments, we have added these notes to the drawing, please find enclosed.

Therefore we believe all issues have been resolved and trust the consent can be issued.

Many thanks,

Robert Steventon
Civil Engineer

[REDACTED]
[REDACTED]

From: Paul Cann <Paul.Cann@arun.gov.uk>
Sent: 03 February 2020 14:58
To: Robert Steventon [REDACTED]
Cc: Kevin Lang [REDACTED]
Subject: RE: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Hi Robert

The proposals seem reasonable. Regarding the root ingress, they will need to keep on this in the future (after cleaning) to ensure that flows are not restricted.

In respect to the headwall repairs and trash screen proposal – that is fine. Please add suitable notes – I suggest that the note mentions that the works need to be agreed with the ADC engineer. Also, the trash screen will need to be a cranked version – see <https://www.althon.co.uk/products/450mm-sloped-trash-screen-sides-45/detail/> for example. Please specify the detail/manufacture on the drawing.

Regards

Paul Cann
Principal Engineer (Drainage)

[Paul.Cann](mailto:Paul.Cann@arun.gov.uk) | Principal Engineer (Drainage), Engineering Services, [Arun District Council](http://www.arun.gov.uk) | Location: First Floor, Arun Civic Centre,
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From: Robert Steventon [REDACTED]
Sent: 30 January 2020 13:49
To: Paul Cann <Paul.Cann@arun.gov.uk>
Cc: Kevin Lang [REDACTED]
Subject: FW: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Paul,

Please see below the e-mail from our client regarding the cleaning of the culvert.

If you could confirm your agreement and we will add these notes to our drawing.

Kind regards,

Robert Steventon

Civil Engineer
[REDACTED]

From: Wayne Stutchbury [REDACTED]
Sent: 30 January 2020 13:41
To: [REDACTED]
Cc: [REDACTED]
Subject: Crete Nursery, Dappers Lane, Angmering - Culvert - Condition 10

Dear Robert

During the last week, Steve and I have spoken to a number of drainage specialists, who have all had the opportunity to view the CCTV survey between the headwall and CP2. We asked them to provide advice on the state of the culvert, the clearing works required, repairs they might be necessary and the costs of such works.

In summary the feedback received is as follows:

- The culvert is thought to be in good condition, with no evidence of collapse, structural failing or need of repair.
- It is thought that the first 47m (approx) from CP1 were in particularly good condition and in line with what would be expected.
- Beyond this point towards CP2, whilst it was viewed that the culvert was still in good order, a lot of debris was evident and it was suggested that the culvert would benefit from clearing and cleaning.
- The cost of clearing and cleaning works was estimated to range between £3,500 to £6,500. It should be noted that the largest proportion of this cost related to the works that are required beyond 47m between CP1 and CP2 (approx 85%).

Notwithstanding the fact, that the section of culvert in our responsibility amounts to a small part of the works required, we are aware that if we were just to clean our section of the culvert, due to set up costs etc, it would cost more than 15% of the estimated costs; probably in the order of £1,200.

With the above in mind, we propose agreement is reached for Countyoak Homes Ltd to carryout the following:

Between Headwall and first 33m of Culvert

- Clear and cut back foliage to ditch between our northern boundary and the headwall
- Clear and repair headwall, including installation of grill to prevent large objects entering culvert.
- Expose cover to CP1, raise and adjust cover height to suite existing/proposed levels. (NB cover currently buried)
- Jet and clean culvert between headwall and CP1
- Clear out CP1 and carryout necessary remedial works to chamber.
- Jet, clean and clear approx 30m of culvert from CP1 to end of our ownership.
- Carryout CCTV survey on completion. This will be done at the end of the project, in line with the already approved maintenance manual/regime.
- Works to be completed in line with development timetable.

If we can agree the above scope of work, as suggested by ADC, as a gesture of goodwill, we would be prepared to clear and clean (only) the rest of the culvert between our ownership (at 33m) and CP2. We will also clear out the CP2 chamber. In addition, we will include this section of pipe in the CCTV survey carried out as part of our works.

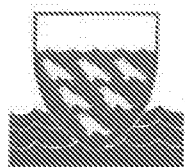
I hope the above proposal is acceptable to ADC and allows Condition 10 to now be signed off.

Kind regards

Wayne Stutchbury
Director
Countyoak Homes Ltd

<http://www.arun.gov.uk>
DX 57406 Littlehampton
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West Sussex Flood Risk Partnership

Our ref: LDC/ARUN/2020/002

Your ref:

Date: 5th February 2020

Mr R Steventon
Lanmor Consulting Limited
Thorogood House
34 Tolworth Close
Surbiton
KT6 7EW

Dear Robert

RE: Land Drainage Works – Development at Crete Nursery, Dappers Lane, Angmering

Thank you for your application for Ordinary Watercourse Land Drainage Consent.

I confirm that your proposals for the permanent / ~~temporary~~* works are approved by the West Sussex Drainage Partnership. I enclose consent number LDC/ARUN/2020/002 issued under Section 23 of the Land Drainage Act 1991.

Please notify this authority no less than seven days before commencement and upon completion of the works via one of the methods of contact below, quoting the above consent number for reference. Please note that inspections will be carried out as deemed necessary.

The applicant must provide photographs of the works during construction and on completion, and forward digital copies to this office. **Please note the 'Conditions' attached to this approval.**

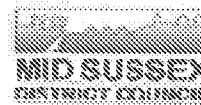
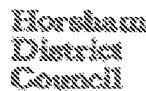
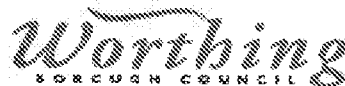

Mr Paul Cann
Principal Engineer (Drainage)

Arun District Council
Engineering Services
Arun Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN17 5LF

Tel: 01903 737819
Email: paul.cann@arun.gov.uk



West Sussex Flood Risk Partnership



Ordinary Watercourse Land Drainage Consent

Land Drainage Act 1991

Name:

Countyoak Homes Limited

Consent applying to:

Connection to culverted watercourse, and provision of trash screen at existing headwall, at Crete Nursery, Dappers Lane, Angmering

Consent Number LDC/ARUN/2020/002

**Effective from
5th February 2020**

This note does not form part of the Certificate of Authorisation.

Introduction

The West Sussex Drainage Partnership

The West Sussex Drainage Partnership is a body consisting of West Sussex County Council and the District and Borough Authorities within West Sussex acting together in partnership, to carry out specific duties under the Land Drainage Act 1991 and Flood and Water Management Act 2010. It operates under delegated powers under section 13(4) of the Flood and Water Management Act 2010.

The Partnership aims to manage flood risk in the county through continued maintenance and regulation of ordinary watercourses, education and assistance of riparian ("river side") owners and through promotion of sustainable drainage systems (SuDS).

Legislation

Land Drainage Consents are required by virtue of the Land Drainage Act 1991. The following activities on an Ordinary (non-main) Watercourse require Local Authority Consent:

under Section 23 of the Land Drainage Act 1991;

- the erection or alteration of any mill dam, weir or other like obstruction to the flow of any watercourse
- the erection or alteration of any culvert that would be likely to affect the flow of any watercourse

under Sections 17 and 20(2) of the Land Drainage Act 1991

- any drainage works carried out by a local authority against flooding in connection with any watercourse

under Section 61F Land Drainage Act 1991 (Inserted by Schedule 22 Environment Act 1995)

- the operation of any drainage works, under the control of any Internal Drainage Board or local authority, so as to manage the level of water in a watercourse for the purposes of facilitating spray irrigation.

Note: Consent under the above legislation is required irrespective of whether the works are permanent or temporary.

Contraventions

In relation to Ordinary Watercourses, West Sussex Drainage Partnership can under Section 24 of the Land Drainage Act 1991 serve a legal notice requiring the person to abate the nuisance within a specified time. Failure to abide by such a notice can result in the West Sussex Drainage Partnership carrying out the necessary remedial work and seeking to recover costs.

Land Drainage Act 1991

Land Drainage Consent

Control of works affecting watercourses and/or flood defences

Consent number LDC/ARUN/2020/002

To: Countyoak Homes Limited

The West Sussex Drainage Partnership in exercise of its powers under Section 23 of the Land Drainage Act 1991 and subject to the conditions attached, hereby grants its consent in relation to the works or operations described in this Consent.

Watercourse: Not named

Location: Development at Crete Nursery, Dappers Lane,
Angmering

Map reference: TQ 507315 104950

Description of works: Connection to existing 450mm
culvert with 150mm diameter discharge from sewage
treatment plant. Provision of cranked trash screen to
suit 450mm diameter culvert at existing headwall.

As detailed on plans and sections

Drg no. 191183/500/01 Rev K, 191183/510/01 Rev D, 191183/520/01 Rev C, 8000301 Rev A

In supporting documentation

The West Sussex Drainage Partnership does not accept any responsibility for the design and construction of the works referred hereto and any liability for any loss or damage which may arise out of their design, construction, maintenance or use.

This Consent shall come into effect on

Date 5th February 2020

Signed on behalf of the West Sussex Drainage Partnership

Mr Paul Cann
Principal Engineer (Drainage)

Date of signing

5th February 2020

Conditions

This consent is granted with the following conditions:

General

N/A

Timing

Works to be completed within six months of the date of this consent or else the consent will be deemed to have expired.

Temporary Works

N/A

Site Specific

Improvements to be carried out to the existing headwall and manhole as detailed on the approved drawings. Culvert to be cleaned out, as specified.

Other Information

This Consent does not remove from the applicant the necessity to obtain other licences, consents, approvals or permissions (including planning permission) which may be required in law or in order to comply with any duties or responsibilities for conservation or protection of the environment.

It is the applicant's responsibility to ensure that he obtains the consent / permission of any owners and occupiers affected by the works.

This Consent does not confer any rights of entry or rights over property.

Works should be arranged to ensure there is no increase in flood risk to third parties.

That the LLFA does not accept any responsibility for the design and construction of the works that are the subject of this Consent and any liability for any loss or damage which may arise out of their design, construction, maintenance or use.

The works must be undertaken in accordance with the approved plans, drawings, calculations, specifications and other relevant documents.

All reasonable precautions must be taken during the undertaking of the works so as not to obstruct, impede or interfere with the flow of water in, into or out of the watercourse and not to damage the banks or bed or any drainage works without the approval of the Lead Local Flood Authority.