

From: Laura Gibbons [REDACTED]
Sent: 22 March 2022 14:06
To: David Easton <David.Easton@arun.gov.uk>
Cc: Paul Cann <Paul.Cann@arun.gov.uk>
Subject: Fwd: FW: 23544 North Angmering RM Drawings

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Hi David,

I've had a look through the information and my comments are as follows (based upon our previous holding objection comments and numbering).

1. A watercourse buffer plan has been provided. Plots 153-158 are located over unacceptably close to watercourses. There are some parking spaces in very close proximity to the top of banks, these proposals will need to be carefully reviewed, if land raising is required it is unlikely to be accepted in such close proximity. There are a number of new culverts proposed along the ordinary watercourses, the number of culverts should be kept to a minimum. Swales and basins are well within the required 3m buffer, but are not shown on the buffer plan. An updated buffer plan should be provided which includes proposed drainage features. Revised site layout proposals are required.
2. We are still awaiting further detail regarding potential connectivity of watercourses. This could have impacts upon the proposed development layout, if culverts are found our byelaws forbid development over or within 3m of these. There are also a number of pipe crossings proposed below the ditches, without more survey information it isn't possible to know if these will actually be within the watercourse profile- which wouldn't be acceptable.
3. No evidence regarding urban creep has been provided to date.
4. Perpendicular basin sections have been provided.
5. Flotation calculations have not been provided. The southern basin is excavated into the ground (as well as having a bund at it's southern most extent) previous groundwater monitoring in 17/18 recorded groundwater in this area at 0.1m below ground level, therefore excavating 1.3 to 3.3m will result in considerable buoyancy forces being exerted upon the impermeable membrane. Similarly for the central basin, basin invert is below recorded groundwater level, so flotation calculations are required and have not been supplied. The applicant may argue that flotation is a matter for conditions, however with the depths we are looking at it is evident that the engineering solution will not be straightforward, in which case the applicant may wish to look at making features shallower, which has a knock on impact upon layout.

6. We will need to review revised landscaping plans when the layout is more secure.

Our holding objection therefore remains at this time.

I will email CEP directly in a moment and cc you.

Thanks,

Laura Gibbons

Engineer, Adur & Worthing Councils

Website: www.adur-worthing.gov.uk

Address: Facilities & Technical Services, Worthing Town Hall, Chapel Road, Worthing, West Sussex, BN11 1HA

----- Forwarded message -----

From: **Stuart Magowan**

Date: Mon, 7 Feb 2022 at 09:36

Subject: FW: 23544 North Angmering RM Drawings

To: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Cc: CEP | Reception

Hi Laura

The following link will allow a download of the updated levels drawing detailing the retaining wall locations and heights, together with the watercourse buffer zones, pond sections and update drainage layouts which are in the process of being submitted to Arun District Council.

https://www.dropbox.com/sh/j8ip6ga0qt8iawm/AAD5aLcTyKGqY_ePBHm-E91aa?dl=0

I have also placed the unrevised documents for the December submission in the following link so you have the details all in one place as the link below

https://www.dropbox.com/sh/dafzmrcm2s9acel/AAD9YB7U_PdY6phW_LKouAmEa?dl=0

If you have any queries please do not hesitate to contact me.

Regards

Stuart

Stuart Magowan



The Civil Engineering Practice

11 Tungsten Building



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From: Stuart Magowan

Sent: 04 February 2022 15:18

To: Arren Yates [REDACTED] Ian Humble [REDACTED]

Cc: Ian Humble [REDACTED] Neal MacGregor [REDACTED] Max Woolcott

[REDACTED] CEP | Reception [REDACTED]

Subject: RE: 23544 North Angmering RM Drawings

Hi Ian

The following link will allow a download of the updated levels drawing detailing the retaining wall locations and heights, together with the watercourse buffer zones, pond sections and update drainage layouts which should be submitted to the Planning Authority to remove the holding objection from Arun District Councils Drainage Engineer.

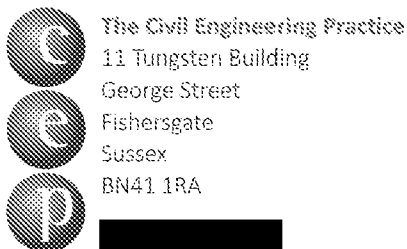
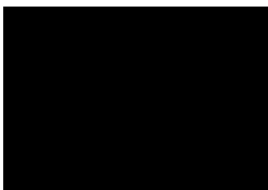
https://www.dropbox.com/sh/j8ip6ga0qt8jawm/AAD5aLcTyKGqY_ePBHm-E91aa?dl=0

If you have any queries please do not hesitate to contact me.

Regards

Stuart

Stuart Magowan



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From: Arren Yates [REDACTED]
Sent: 04 February 2022 08:37
To: Stuart Magowan [REDACTED]
Cc: Ian Humble [REDACTED] Neal MacGregor [REDACTED] Max Woolcott [REDACTED]
[REDACTED] CEP | Reception [REDACTED]
Subject: RE: 23544 North Angmering RM Drawings

Hi Stuart,

Sorry to chase..... how did the meeting with Laura go, and when can you issue the design ?

Thanks,

Arren Yates CEng MICE

Senior Engineering Manager

I work flexibly- whilst it suits me to email at this time, I do not expect a response outside of your own preferred work hours

From: Stuart Magowan [REDACTED]
Sent: 28 January 2022 09:28
To: Arren Yates [REDACTED]
Cc: Ian Humble [REDACTED] Neal MacGregor [REDACTED] Max Woolcott [REDACTED]
[REDACTED] CEP | Reception [REDACTED]
Subject: 23544 North Angmering RM Drawings

Hi Arren

We are complete with the retaining walls and private drainage and will have completed the buffer zone details later today, we then have approximately 2/3 days of putting the pack / pdf drawings together to issue. We are aiming to issue mid next week.

To keep you in the loop we have Laura Gibbons coming in on Thursday afternoon next week to run through the design for this and New Monks Park, there may be some further tweaks after that but we are anticipating that will be in the modelling detail rather than any significant design changes.

Regards

Stuart

Stuart Magowan



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From: Arren Yates [REDACTED]
Sent: 27 January 2022 21:02
To: Stuart Magowan [REDACTED]
Cc: Ian Humble [REDACTED]; Neal MacGregor [REDACTED]; Max Woolcott [REDACTED]
Subject: North Angmering RM Drawings

Hi Stuart, what's the ETA on the remaining RM drawings (ret. walls and plot drainage) ?

Thanks,

Arren Yates CEng MICE

Senior Engineering Manager



I work flexibly- whilst it suits me to email at this time, I do not expect a response outside of your own preferred work hours

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