

APPENDIX F

South Holland Internal Drainage Board Correspondence

Paul Eagles

From: Paul Eagles
Sent: 29 March 2018 18:31
To: 'karl@wlma.org.uk'; 'dominic@wlma.org.uk'
Subject: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding
Attachments: William Saunders_20180329_182814.pdf

Karl/Dominic,

Please find attached a site layout for a proposed residential development at Whaplode. An IDB drain (DRN 197P4503) is located along the north and west boundaries to the site.

Easements have been provided to the bank top (9.0m).

We have been appointed by the developer to provide a drainage strategy for the site to be submitted with a planning application. We will be investigating the possibility of infiltration techniques for disposal of surface water but should these not be feasible the alternative is to discharge to the IDB drain.

Could you please advise on the following:

- Allowable discharge rate or restrictions on the discharge rate to the drain
- Water levels to the drain if available
- Suitability of the 9.0m easement
- Any other issues that may influence the proposed surface water drainage strategy for the site

Look forward to hearing from you.

Regards,

Paul Eagles BEng MCIHT
Associate

Paul Eagles

From: Rachael Yeowell <Rachael@wlma.org.uk>
Sent: 16 April 2018 09:26
To: Paul Eagles
Subject: FW: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding
Attachments: William Saunders_20180329_182814.pdf; Application for a relaxation of Byelaw 10 _May 2014.pdf; Application to Alter a Watercourse - SHIDB _May 2014.pdf

Paul

Further to your email sent to Karl and Dominic, we would like to answer the questions set out in your email below.

- Allowable discharge rate or restrictions on the discharge rate to the drain
The Board would allow 1.4 litres/second/hectare
- Water levels to the drain if available
The one in 100year + climate change water level is 2.13
- Suitability of the 9.0m easement
The 9metres easement is correct however, since we need access onto the easement, it may get rutted up therefore we ask that grass reinforcement grids are laid to help protect the ground. You will need to enter into a byelaw 10 consent for this.
- Any other issues that may influence the proposed surface water drainage strategy for the site
There is a private drain on the east side of the development that will be left open in between properties on both sides of the drain. The Board have witnessed problems arising from situations like this where the drain has properties on both sides and the Board suggest that either a management company is to look after the private watercourse or you will have to pipe the drain, which the Board are more in favour of. If you do decide to pipe it you will need to apply for section 23 consent (applications forms are attached in this email). In addition, the Board would like to take the opportunity to re-profile the Boards watercourse, that is on the North side of the development, before you commence works.

Regards

Rachael Yeowell

Technical Assistant, South Holland IDB

dd: +44 (0)1406 421704 | m: +44 (0)7920 792389 | e: Rachael@wlma.org.uk

Water Management Alliance

Kettlewell House, Austin Fields Industrial Estate, King's Lynn, Norfolk, PE30 1PH, UK

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With our commitment to ISO 14001, please consider the environment before printing this e-mail.

From: Paul Eagles [<mailto:paul.eagles@wm-saunders.co.uk>]

Sent: 29 March 2018 18:31

Paul Eagles

From: William Dixon
Sent: 19 April 2018 16:25
To: 'Rachael@wlma.org.uk'
Subject: FW: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding
Attachments: William Saunders_20180329_182814.pdf; Application for a relaxation of Byelaw 10 _May 2014.pdf; Application to Alter a Watercourse - SHIDB _May 2014.pdf

Rachael,

Further to your email to Paul..

Taking the board's restricted discharge rate of 1.4l/s/ha combined with a site area of approx. 2.38ha results in a discharge rate of 3.33l/s. However, the nationally recognised minimum controlled discharge rate is 5l/s to mitigate the risk of blockage within the drainage system.

Would the board permit a discharge to the drain of 5l/s?

Kind regards

Will Dixon BSc (Hons) MSc FGS
Civil Engineer

From: Paul Eagles
Sent: 19 April 2018 10:47
To: William Dixon <William.Dixon@wm-saunders.co.uk>
Subject: FW: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding

williamsaunders architecture : engineering : building consultancy

Regards,

Paul Eagles BEng MCIHT
Associate

William Saunders
Sheppard Lockton House,
Cafferata Way,
Newark,
Notts.
NG24 2TN

Tel. 01636 704361
Fax 01636 702809
Mobile 07921 924 010
Web site. www.wm-saunders.co.uk

We are delighted to launch our new website. Click [here](#) to have a look!

Paul Eagles

From: Rachael Yeowell <Rachael@wlma.org.uk>
Sent: 20 April 2018 09:39
To: William Dixon
Subject: RE: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding

Good Morning Will

The Board would accept a 5l/s discharge into the drain subject to a one off surface water development contribution payment of £7.78 per impermeable area. This payment will be reduced to 20% since the surface water will be restricted. I would like to point out that the surface water development contribution rate is subject to be reviewed and the payment will be charged at the price at the time of paying.

Kind Regards

Rachael Yeowell

Technical Assistant, South Holland IDB

dd: +44 (0)1406 421704 | m: +44 (0)7920 792389 | e: Rachael@wlma.org.uk

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From: William Dixon [mailto:William.Dixon@wm-saunders.co.uk]
Sent: 19 April 2018 16:25
To: Rachael Yeowell <Rachael@wlma.org.uk>
Subject: FW: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding

williamsaunders architecture : engineering : building consultancy

Rachael,

Further to your email to Paul..

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Would the board permit a discharge to the drain of 5l/s?

Kind regards

Will Dixon BSc (Hons) MSc FGS

Paul Eagles

From: Paul Eagles
Sent: 30 April 2018 15:41
To: 'Rachael@wlma.org.uk'
Subject: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding

Rachel,

Further to the email trail below and our earlier telephone conversation I would be grateful if you could confirm:

- 30yr water level in the IDB drain
- Any requirements for clearances between inverts of proposed piped discharges above water levels in IDB drains and confirmation of the water level to be used in this case (i.e. normal water level, 1 in 30 or 1 in 100) and a value for it.

Look forward to hearing from you.

Regards,

Paul Eagles BEng MCIHT
Associate

From: Rachael Yeowell <Rachael@wlma.org.uk>
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Sent: 19 April 2018 16:25

Paul Eagles

From: Rachael Yeowell <Rachael@wlma.org.uk>
Sent: 30 April 2018 16:40
To: Paul Eagles
Subject: RE: 11748/3.0/df Proposed Residential Development off Cobgate, Whaplode, Spalding

Paul

I have had a word with Karl and he has said that we haven't got a specific requirement but if you set it as high as you can you will be submerged for the minimal amount of time. As a minimum don't put it below 30yr water level.

The 30yr water level is 1.83.

I hope this is enough information but if you require any more please feel free to contact me or Karl Vines on Karl Vines <Karl@wlma.org.uk>

Kindest Regards

Rachael Yeowell

Technical Assistant, South Holland IDB

dd: +44 (0)1406 421704 | **m:** +44 (0)7920 792389 | **e:** Rachael@wlma.org.uk

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