

From: Anita Gardner
Sent: 08 June 2018 15:51
To: Planning.Responses
Subject: FW: FG/48/18/DOC Onslow Caravan Park, Ferring

Please treat as a consultee response

Anita Gardner | Principal Planner, Directorate of Place, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: Laura Gibbons
Sent: 08 June 2018 13:19
To: Anita Gardner
Subject: RE: FG/48/18/DOC Onslow Caravan Park, Ferring

Anita,
I am happy with the revised details, and therefore recommend that the condition is discharged.
Thanks,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

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

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From: Anita Gardner
Sent: 08 June 2018 10:14
To: Laura Gibbons
Subject: FW: FG/48/18/DOC Onslow Caravan Park, Ferring
Importance: High

Hi Laura,

Are these attached details now acceptable?

Thanks

Anita

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From: [REDACTED]
Sent: 08 June 2018 10:05
To: Anita Gardner; Paul Cann; Laura Gibbons
Cc: Ben Reeder
Subject: Re: FG/48/18/DOC Onslow Caravan Park, Ferring
Importance: High

Anita, Paul and Laura

response and additional info on drainage below and attached

I amended the drainage details to address Arun's comments, and incorporated them in a contiguous file for approval by the LPA. All previous drainage details are superseded.

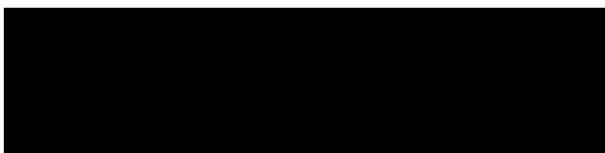
Particular changes done to meet LPA comments are:

1. A brick headwall is specified as required. The exact length of the raking wing walls should be adjusted to match the local bank profile, but as drawn it will be close based on site photographs. The height matches levels taken.
2. The gully hasn't been redrawn, but an enlarged detail is shown for clarity.
3. The ductile iron pipe is retained, but is surrounded with a minimum of 100 mm of concrete to seal the trench.
4. The maintenance interval for the filter, six months, was given in the notes of the plan, and hasn't been changed.
5. 30% climate change has been allowed for. The tank sizes are unaltered, but the revised storage calculation uses a slightly higher peak discharge at tank full, 0.62 litres per second, reflecting the previous throttle rating calc, which has not changed. The average discharge rate in the critical duration 100 year climate changed storm is only 0.4 litres per second, which is low.

Kind regards

Steve Jupp

Stephen Jupp MRTPI
Chartered Town Planner
SALLY FIELD LODGE
ROTTEN ROW
SIDLESHAM
CHICHESTER
PO20 7QB



NB: Please note my new landline phone number and office address

On 7 Jun 2018, at 16:50, Anita Gardner <Anita.Gardner@arun.gov.uk> wrote:

Stephen

Please can you advise how long receipt of the additional requested is likely to take to be submitted. Shall we agree a further 2 week extension of time until 29-06-2018 to allow for receipt and re-consultation?

Regards

Anita

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From: Anita Gardner

Sent: 14 May 2018 09:29

To: [REDACTED]

Subject: FW: FG/48/18/DOC Onslow Caravan Park, Ferring

Please see Drainage Engineer's comments in red

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From: Laura Gibbons

Sent: 14 May 2018 09:04

To: Anita Gardner

Subject: RE: FG/48/18/DOC Onslow Caravan Park, Ferring

Anita,

My responses are given below in RED.

Thanks,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre, Maltrovers Road, Littlehampton, BN17 5LF

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From:
Anita

Gardner

Sent: 14 May 2018 08:21

To: Laura Gibbons

Subject: FW: FG/48/18/DOC Onslow Caravan Park, Ferring

Laura,

Please can I have your comments on these revised details

Thanks

Anita

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From: [REDACTED]

Sent: 11 May 2018 08:38

To: Anita Gardner

Cc: Ben Reeder

Subject: Re: FG/48/18/DOC Onslow Caravan Park, Ferring

Anita

My clients drainage engineer has responded as below to the points raised by your engineer [his responses are in magenta]

The Drainage Engineer has stated relating to Condition 4 Drainage:

- It is noted that only a 20% allowance for climate change has been included in the design of the surface water drainage system. This needs to be increased to 30% in line with the condition applied. THE 20% ALLOWANCE ACCORDS WITH PLANNING PRACTICE GUIDANCE FOR THE LIFETIME OF THE DEVELOPMENT PROPOSED, AND ALSO WITH THE CENTRAL ALLOWANCE FOR RESIDENTIAL DEVELOPMENT. 30% IS NOT JUSTIFIED. THE CONDITION APPLIED TO THE APPLICATION (EMAIL 10/04/17) IS 30% ALLOWANCE FOR CLIMATE CHANGE. THEREFORE, 30% ALLOWANCE HAS TO BE USED.
- Storm durations from and including 15 minutes need to be used. THE CALCULATION INVESTIGATED STORM DURATIONS AT TEN MINUTE INTERVALS FROM 10 MINUTES TO 72 HOUR DURATION. ONLY SELECTED DETAILS ARE REPORTED, THE CRITICAL DURATION IS QUOTED TO THE NEAREST TEN MINUTES. OKAY.
- The restriction size of 20mm is of concern regarding the possibility of blockage. It is recommended that a mesh or similar is installed within each tank at the face of the outlet. THE INLET STRAINER IS SUPPLIED TO PREVENT LARGE PARTICLES ENTERING THE TANKS. FLOW RATES THROUGH THE OUTLET ARE SO LOW THAT IF GROWTH OCCURS WITHIN THE TANKS, IT WOULD NOT TEND TO BE DRAWN TOWARDS THE OUTLET, WHICH HAS THE ABILITY TO PASS 1.5 MM PARTICLES. IF A BLOCKAGE WERE TO OCCUR, IT WOULD SPOTTED QUICKLY AND WOULD BE EASY TO REMOVE. WHEREAS THE TEE COULD BE CHANGED AND A 1. 1/2" BSP STRAINER ADDED, ALLOWING EASY MAINTENANCE, SUCH A STRAINER IS LIABLE TO BLOCKAGE WITH SMALL PARTICLES. THEREFORE NO STRAINER IS RECOMMENDED. A MESH SCREEN WITHIN THE TANKS AS SUGGESTED WOULD BE VERY DIFFICULT TO MAINTAIN AND THUS ALSO IS NOT RECOMMENDED. OKAY. HOW FREQUENTLY WILL THE INLET STRAINER BE INSPECTED AND CLEANED?
- It is currently proposed that the outlet to the existing ditch will be formed by a paving slab. This is not acceptable, we require a formal headwall to be formed using concrete bags or brickwork. With full construction detail drawings

to be supplied and approved by us. THE OUTLET PIPE IS DUCTILE IRON WITH A FLAP ATTACHED. AS SUCH THE OUTLET IS RESILIENT TO DAMAGE AND BARELY ANY DISTURBANCE OF THE BANK WILL OCCUR. A HEADWALL IS ENTIRELY UNNECESSARY. THE PROPOSED PAVING SLAB CAN BE OMITTED. A HEADWALL IS REQUIRED TO ENSURE THAT THE CONTINUED IDENTIFICATION AND MAINTENANCE OF THE OUTLET IS EASY. OUTLETS WITHOUT HEADWALLS ARE FREQUENTLY LOST AND MAINTENANCE OF THE DITCH IS MORE DIFFICULT. THEREFORE, A HEADWALL WILL BE REQUIRED.

- Full construction details will be required including the gully/headwall, any manholes, and silt traps. DRAWING 100A ALREADY SHOWS EVERY DETAIL NECESSARY TO BUILD THE UNDERGROUND DRAINAGE. NO OTHER DETAIL COULD BE REQUIRED. PLEASE PROVIDE CONSTRUCTION DETAILS OF THE GULLY AND HEADWALL.

Kind regards

Steve Jupp

Stephen Jupp MRTPI
Chartered Town Planner
Sally Field Lodge
Rotten Row
Sidlesham
West Sussex
PO20 7QB

NB: Please note my new telephone number and office address

On 9 May 2018, at 16:08, Anita Gardner <Anita.Gardner@arun.gov.uk> wrote:

Dear Mr Jupp,

The following comments have been received from the Environmental Health Officer re discharge of Condition 6 - Construction Management Plan.

- b. the site manager's contact details to be provided on all notification of works to neighbouring residents
- c. to state the careful selection of low noise plant and machinery to minimise noise and use of noise mitigation barriers where necessary.

The Drainage Engineer has stated relating to Condition 4 Drainage:

- It is noted that only a 20% allowance for climate change has been included in the design of the surface water drainage system. This needs to be increased to 30% in line with the condition applied.
- Storm durations from and including 15 minutes need to be used.
- The restriction size of 20mm is of concern regarding the possibility of blockage. It is recommended that a mesh or similar is installed within each tank at the face of the outlet.

- It is currently proposed that the outlet to the existing ditch will be formed by a paving slab. This is not acceptable, we require a formal headwall to be formed using concrete bags or brickwork. With full construction detail drawings to be supplied and approved by us.
- Full construction details will be required including the gully/headwall, any manholes, and silt traps. I would therefore appreciate receipt.

If you agree to an extension of time on the application until 15-06-2018 by lunchtime tomorrow I will await receipt of revised drainage plans and calculations and an amended version of the Management Plan. Alternatively the application will be refused given the present lack of acceptable detail.

Regards

Anita Gardner

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