

From: Anita Gardner
Sent: 14 May 2018 09:29

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

Please see Drainage Engineer's comments in red

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: 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, Maltravers 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

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: stephen jupp [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 15 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

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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