

10<sup>th</sup> May 2018

Our Ref: EG/393579/eg  
Your Ref: SWM/2018/0215

Vicki Westall  
Hampshire County Council  
The Flood water management team  
Ell Court West, 1<sup>st</sup> floor  
Winchester  
Hampshire  
SO23 8UJ

Dear Vicki

**DEVELOPMENT AT Yachthaven, Copse Lane, Hayling  
island**

In reference to your letter dated 28<sup>th</sup> March 2018 we have the following responses to your points as noted below:

- Background information on the proposed design. Including proposal; site; plans of surface water drainage and any SuDS featured in the scheme.

The existing site has no formal drainage, the storm water on site just runs off down the natural fall of the site and into the ground or the sea. We are formalizing the drainage as noted on the drawings you have already observed 393579-100P1 and 101P1. We are formalizing the storm water drainage on the site and using an attenuation tank to limit the discharge into the sea at the existing storm water discharge rate as noted on the drawings and the attached calculations.

- Information evidencing that the correct level of water treatment exists in the system in accordance with the Ciria SuDS Manual C753

Please find attached calculations undertaken to Ciria C753 guidance indicating the use of silt traps and attenuation tanking is suitable for the level of water treatment required on the site.

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Cowan Consultancy Limited  
3 Turnberry House  
4400 Parkway  
Whiteley  
Fareham  
Hampshire  
PO15 7FJ

Telephone: 01489 577488  
Fax: 01489 579873

[www.cowanconsult.co.uk](http://www.cowanconsult.co.uk)  
[consultants@cowanconsult.co.uk](mailto:consultants@cowanconsult.co.uk)

*Also at:*  
Landguard Manor  
Landguard Manor Road  
Shanklin  
Isle of Wight  
PO37 7JB

Telephone: 01983 868497  
Fax: 01983 865781

**Directors:**  
D.J. Button B.Sc., C.Eng., M.I.C.E.  
(Managing)  
J. Button B.Ed.

**Associate:**  
E. Gomery B.Eng (Hons)

**Registered Office:**  
3 Turnberry House (as above)  
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- If not using infiltration for drainage - Existing and proposed run-off rate calculations completed according to a suitable method such as IH124 or FEH. Information is available from UK Sustainable Drainage: Guidance and Tools. Calculations must show that the proposed run off rates do not exceed the existing run-off rates. This must be shown for a one in one year event plus climate change and a one in one hundred year event plus climate change.
- If not using infiltration for drainage - Existing and proposed run-off volume calculations completed according to a suitable method such as IH124 or FEH. Calculations must show that, where reasonably practical, runoff volume should not exceed the greenfield runoff volume for the same event. This must be shown for a 1 in 100 year, 6 hour rainfall event
- Evidence that Urban Creep has been considered in the application and that a 10% increase in impermeable area has been used in calculations to account for this.

The above is included in the calculations attached to this letter, along with an extra allowance for 10% urban creep as requested.

- Maintenance regimes of entire surface water drainage system including individual SuDS features, including a plan illustrating the organisation responsible for each element. Evidence that those responsible/adopting bodies are in discussion with the developer. For larger/phased sites, we need to see evidence of measures taken to protect and ensure continued operation of drainage features during construction.

We have produced the attached SUDS maintenance manual for the site to address these issues.

We believe that the above and attached documents satisfactorily answer your requirements so would be grateful if you could revise your objections to allow the site to gain the relevant planning permissions.

Yours sincerely



**ELVIN GOMERY**  
*For and on behalf of Cowan Consultancy Ltd.*