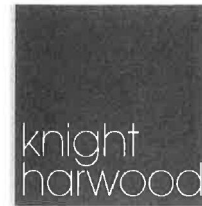


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FAO: Ben Stonebridge  
Planner  
Planning Environment & Development Services  
HGH Consulting  
45 Welbeck Street, London, W1G 8DZ

06 March 2020

*Dear Ben,*

**KH0205- Athlone House / Planning condition 31 - Demonstration of sustainable drainage system compliance report**

We confirm that the drainage system installed at Athlone House has been installed in accordance with attached eHRW drainage design drawings and specification.

The overall strategy allows for all surface water drainage (positive and land drains) to discharge via gravity into a cellular storage (attenuation tank) located by the summer pavilion, sized to accommodate a 1 in 100 year storm with allowance for 30% for climate change. The water is then discharged into the newly refurbished pond under a controlled rate via a hydrobrake.

<b>Component</b>	<b>Approved Specification</b>	<b>As-Built Specification</b>	<b>Comments</b>
<i>Attenuation tank</i>	<i>Polystorm-R cellular storage units wrapped in impermeable geomembrane</i>	<i>Polystorm-R cellular storage units wrapped in impermeable geomembrane</i>	<ul style="list-style-type: none"><li>• <i>Storage volume provided = 153.6m<sup>3</sup> (additional layer of attenuation added to provide pond top up)</i></li><li>• <i>Data sheet included</i></li><li>• <i>Certificate of guarantee included</i></li><li>• <i>Photos included</i></li></ul>



<i>Hydrobrake within manhole S1</i>	<i>Hydrobrake or similar Discharge rate at original design – 10.6 l/s</i>	<i>Hydrbrake S-type vortex installed. Discharge rate limited to 10.6 l/s</i>	<i>Data sheet included of hydrobrake installed</i>
<i>Land Drain</i>	<i>100mm dia. Perforated land drain, polypipe landcoil or similar wrapped in geotextile membrane, surrounded with Type B filler material</i>	<i>Naylor industries agricultural land drain HDPE plastic 100mm dia. pipe</i>	<ul style="list-style-type: none"><li><i>• Spec. sheet attached</i></li><li><i>• Install photos included</i></li></ul>

Yours sincerely,



*Maurice Wilson*

*Athlone House*

Encl: Keith Ives