

Mr Ray Drabble  
Western Area Office,  
Drayton Lane, Nr. Chichester,  
West Sussex. PO20 2AJ

Our ref  
20191118-001

Date  
18/11/2019

Dear Ray,


Re: West Sussex Local Flood Authority Flood Risk Reduction for Waterfront Developments

I have reviewed the proposal for the study of Flood Risk Reduction for Waterfront Developments which highlights the following outcomes.

- Contribute to reduction in surface water flood risk for coastal communities in defended floodplain;
- Investigate the opportunities, constraints and overall feasibility of 'over the wall' drainage for waterfront developments;
- Work with the Kingston Wharf development team in particular to apply this innovative approach to the design of drainage for the scheme.
- Influence developers to adopt more innovative and sustainable design in drainage; it is stressed that the concept of over the wall drainage does not necessarily rule out the scope for rainwater harvesting / re-use where space and feasibility allows; such an in-combination option will be explored as part of the study;
- Assess the relative costs and benefits of traditional vs 'over the wall' drainage; and
- Though publication and dissemination of the Study, initiate a wider debate on the possible merits of a changed approach to drainage of waterfront developments.

I can confirm that those outcomes are aligned with the research that Southern Water is taking part in: UKWIR Project Ref. BQ6 project 03: Surface water drainage from new developments which benefits are listed below.

- An authoritative study which will influence the thinking of the Environment Agency, Defra and local authorities in considering modifying current standards on surface water discharges from development sites;
- Provide support to planners on making appropriate changes to criteria for the design of surface water systems to achieve more effective management of runoff;
- Provide information to water companies to take a unified approach to setting limiting flow rates for flows discharged to sewers;
- Reduce the increase in pressure on sewers caused by the hydraulic load of discharges from new developments.



As discussed, I am keen to share the outcomes of the UKWIR project with you, and would be interested in understanding the outcomes of your research so that we can collaborate further on the matter of surface water drainage associated with new developments. The BQ6 project 3 has a completion date of January 2020.

I will currently be your main contact point on the matter until my team has been organized around the new Drainage and Wastewater Management plan structure, at which point I will be able to allocate a person to discuss findings and exchange information in more details.

Yours truly,

Cigolene Nguyen

Head of Wastewater Planning and Resilience  
Southern Water