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Dear Kevin

### **Longford Park Sports Pavilion & Car Park – Surface Water Drainage Statement**

This letter outlines and confirms that our surface water drainage proposals for the proposed Sports Pavilion and Car Park comply with the approved Longford Park Flood Risk Assessment and that a separate SuDS solution for the car park is not required. A summary of the findings of the FRA and the drainage proposals are described below.

#### **Approved Flood Risk Assessment Summary**

Surface water runoff from the development will be managed in accordance with the approved Flood Risk Assessment and Masterplan/Design Code document. Each development parcel will drain surface water run off by gravity through a piped system into a wider network of sewers and swales, flowing from the south to the north of the development and eventually outfalling into a ditch network which discharges to the River Cherwell.

To ensure that surface water flows leaving the development and entering the River Cherwell do not exceed existing greenfield runoff rates, flows will be restricted to 69.5 litres per second by means of a vortex flow control chamber prior to leaving the site beneath the Oxford Canal. In order to ensure surface water flows are attenuated and treated for contaminants, 4 new balancing ponds will be constructed in accordance with the Masterplan/Design Code document. The ponds will contain approximately 30,000m<sup>3</sup> of surface water at their maximum design level.

#### **Proposed Surface Water Drainage Proposals**

DDS' proposed surface water drainage strategy follows the proposals outlined in the FRA. It is proposed that surface water run-off generated by the Pavilion and Car Park will be drained via a surface water drainage network, which will collect surface water from the Pavilion roof and car park via downpipes, trapped gullies and channels. This network will ultimately connect into the adoptable surface water drainage system running in the main spine road, which will be maintained by Severn Trent Water.

## Conclusion

The proposals to manage surface water for the wider development, outlined in the approved Flood Risk Assessment, ensure that runoff from each development parcel including the Sports Pavilion and Car Park is suitably attenuated and treated prior leaving the site and that a separate SuDS system for the proposed car park is not required.

Yours sincerely

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