



**ROYAL LIVERPOOL UNIVERSITY HOSPITAL**  
**PROPOSED**  
**BIO INNOVATION CENTRE**  
**DRAINAGE STRATEGY**

**AJP Ref: 211-269**

**FOR:** THE ROYAL LIVERPOOL AND BROADGREEN  
HOSPITAL NHS TRUST  
PRESCOT STREET  
LIVERPOOL  
L7 8PX

**BY:** The Alan Johnston Partnership  
4<sup>th</sup> Floor  
1 Dale Street  
Liverpool L2 2ET

**Record of Approval**

Originator	Approved	Date
J MURPHY	M B HYSEL	DEC 11
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## **Proposed Development**

The proposed development comprises of a new six storey development containing research laboratories with associated support accommodation and conferencing facilities. The new building is sited on the current staff car park area adjacent to the Duncan Building which is part of the Royal Liverpool Hospital Estate. The siting of the development is in line with the wider plans for redevelopment of the main Hospital site and future demolition of the existing Hospital.

The new building covers an area of approximately 1500m<sup>2</sup> with adjacent car parking and hard landscaping.

## **Existing Site**

The area of the proposed development is currently a hard surfaced car park designated for hospital staff. The car park is positively drained with a number of gullies and channel drains connected to the adjacent public combined sewer within Prescott street.

## **Proposed Drainage Strategy**

It is proposed to connect the new development foul drainage to the adjacent combined drainage system within Prescott street via the Hospitals current outfall which passes close to the Northern end of the site. No new direct connection to the public drainage system will be required.

Surface water will also connect to the adjacent combined drain replacing the original run off from the surface car park.

The surface water discharge rate will be limited to the current discharge from the site with on site attenuation provided to accommodate 30% climate change.

Final details of the existing and proposed surface water run-off will be confirmed as the detail design progresses.

Car park run-off will pass through a petrol interceptor in accordance with the requirements of PPG 3 before connecting to the main site outfall.

**For and behalf of The Alan Johnston Partnership**

A handwritten signature in blue ink, appearing to read 'J M Murphy', with a stylized, cursive script.

J M Murphy