Drainage Division Report SHD0019/22

North West Corner of Omni Park Shopping Centre, Santry Hall Industrial Estate, Swords Road, Santry, Dublin 9

The following Drainage Division requirements must be complied with:

The development is to be drained on a completely separate system with surface water discharging to the public surface water system.

All surface water discharge from this development must be attenuated to two litres per second per hectare.

The applicant has stated that interception storage is to be provide via the Permavoid podium attenuation system. It is unclear how this system can provide any interception storage. Interception storage shall be provided for each sub catchment. Prior to commencement of construction the applicant shall submit for agreement with Drainage Division full details of interception storage.

The area of green roof is small in comparison to overall building roof area. The feasibility of incorporating a wider use of green roof area shall be assessed and details submitted for agreement to Drinage Division prior to the commencement of construction.

It is unclear how the Permavoid podium attenuation system is to be integrated with the landscaping scheme, particularly the proposed trees. Prior to commencement of construction, the applicant shall clarify this with Drainage Division.

Permeable paving is proposed throughout the site. Prior to the commencement of construction, the applicant shall submit full details of ground conditions to demonstrate that permeable paving is suitable.

The applicant has indicated that tree pits are to be incorporated where feasible. Prior to the commencement of construction , full details of these shall be submitted for agreement with Drainage Division.

A connection from this development to the public surface water sewer network will only be granted when the developer has obtained the written permission of the Drainage Division and fulfilled all the planning requirements including the payment of any financial levies. All expense associated with carrying out the connection work are the responsibility of the developer. Developers are not permitted to connect to the public surface water network system without written permission from the Drainage Division. Any unauthorised connections shall be removed by the Drainage Division at the developer's expense. A licence will be required from the Drainage Division to allow the connection work to be carried out. Permission of the Roads Dept must also be obtained for any work in the public roadway.

An appropriate petrol interceptor shall be installed on the internal drain from the car park. Please refer to section 20 of the Greater Dublin Regional Code of Practice for Drainage Works Version 6.0.

To minimise the risk of basement flooding, all internal basement drainage must be lifted, via pumping, to a maximum depth of 1.5 metres below ground level before being discharged by gravity from the site to the public sewer.

Permanent discharge of groundwater to the drainage network is not permitted.

There shall be no discharge of trade effluent to Dublin City Council sewers except where a licence is granted by Dublin City Council as required by the Local Government (Water Pollution) Acts, 1977 and 1990.

Discharge of groundwater to the public drainage network may be permitted during construction subject to a trade effluent discharge license being obtained from Drainage Division Council as required by the Local Government (Water Pollution) Acts, 1977 and 1990.

An appropriate petrol interceptor shall be installed on the internal drain from the car park. Please refer to section 20 of the Greater Dublin Regional Code of Practice for Drainage Works Version 6.0.

The outfall surface water manhole from this development must be constructed in accordance with the Greater Dublin Regional Code of Practice for Drainage Works Version 6.0.

All private drainage such as, downpipes, gullies, manholes, armstrong junctions, etc. are to be located within the final site boundary. Private drains should not pass through property they do not serve.