



REV E

**LEGEND:**

1. PITCH PRIMARY DRAINAGE SYSTEM CONSISTING OF 225MM PERFORATED PIPES (APPROX AREA 7200 SQ. M)
2. TRACK PRIMARY DRAINAGE SYSTEM CONSISTING OF 150MM PERFORATED PIPE (APPROX AREA 1300 SQ. M)
3. BIO-RETENTION AREA (VOLUME APPROX. 500 CU. M)
4. OUTFALL FROM ATTENUATION AREA WITH HYDRO-BREAK

**NOTE:**

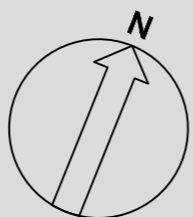
Slit drains and perforated lateral drains will be installed across the pitches and directed to a bio-retention area via collector drains (primary drainage system) that will be installed around the perimeter of the pitch. Further minor drainage will take place at the cricket/baseball field as required, the sprint track and at the bottom of any steep slopes. The attenuation system will be an above ground bio-retention pond is to be located along the northern boundary of the pitches and will be designed so that attenuation will be provided for the 1.0% AEP (1:100 year) storm event. The attenuation system outflow will be controlled by a hydrobrake connected to the existing surface water drainage system with the outflow restricted to 2l/s/ha or Qbar, whichever is the greater, in accordance with the Greater Dublin Strategic Drainage Strategy

(GSDS). The exact size of attenuation system will be determined by a drainage engineer following further geotechnical site investigation and will be subject to the agreement of the Water & Drainage Section.



**Parks & Landscape Services**

Do not scale from this drawing. Use figured dimensions only. Check all dimensions on site before commencing works. Report any discrepancies to the ER before proceeding. All levels to be clarified on site by the ER. These drawings and designs thereon are copyright of Dun Laoghaire Rathdown County Council.



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Drawing Title:  
SHANGANAGH PARK MASTERPLAN - PHASE 1  
Drainage Layout

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