



- NOTE:**
- Drainage works shall be installed in accordance with the greater Dublin regional code of practice (GDRCoP) for drainage works March 2006 and the wastewater infrastructure standard details by Irish Water April 2016.
 - Manhole types shall be in accordance with the greater Dublin code of practice for drainage works.
 - W.A.J inspection chambers shall be in accordance with wavin or equivalent approved.
 - All existing drainage works affecting the construction shall be checked by the contractor prior to any drainage works taking place and any discrepancies shall be notified to the engineer.
 - A site investigation shall be carried out on site to confirm the site ground conditions which shall include an infiltration test in accordance with BRE Digest 365 at the site of each soakaway. Rainwater harvesting unit shall be designed and installed in accordance with BS8515 - rainwater harvesting systems.
 - The rainwater harvesting unit shall be supplied by Kingspan Klargester and installed by the contractor in accordance with the manufacturers guidelines.
 - The anti-flood valve shall be in accordance with hunter underground drainage systems or equivalent approved.
 - All storm water inspection chambers shall have sealed access covers in accordance with wavin or equivalent approved.
 - The permeable paving infiltration system with overflow shall be in accordance with Roadstone's Aquaflo permeable paving system or equivalent approved.
 - All rain water pipes shall be connected directly to gullies below ground level.
 - All rain water gullies shall have sealed covers.
 - Water services shall be installed in accordance with the water infrastructure standard details by Irish Water April 2016.

- NOTES:**
- PERCOLATION TESTING REQUIRED TO DETERMINE THE PERCOLATION RATE FOR THE SUB-SOIL. THIS WILL BE NECESSARY TO CONFIRM THE DEPTH OF THE ATTENUATION STONE LAYER BELOW THE PERMEABLE PAVING.
 - THE PERMEABLE PAVING CLOSE TO THE EXISTING BUILDING FOUNDATIONS WILL HAVE AN IMPERMEABLE BARRIER BELOW THE ATTENUATION STONE LAYER. THIS IS TO ENSURE THE WATER PERCOLATING INTO THE SUB-SOIL DOES NOT IMPACT THE FOUNDATIONS.
 - INVERT LEVELS SHOWN ARE INDICATIVE FORM RECORD DRAWINGS AND WILL BE DOUBLE CHECKED BEFORE ANY NEW DRAINAGE WORK COMMENCES.

LEGEND	
EXISTING SERVICES	
EXISTING BUILDINGS	
NEW BUILDING EXTENSION	
ROADWAY	
PARKING AND ACCESS	
FOOTPATHS	
LANDSCAPING	
EXISTING TELECOMS DUCTS	
EXISTING GAS LINE	
EXISTING ESB DUCTS	
EXISTING EIRCOM DUCTS	
EXISTING LIGHTING DUCTS	
EXISTING STONE DRAIN	
EXISTING LATERAL DRAINS	
EXISTING PUMP IRRIGATION	
EXISTING FRENCH DRAIN	
EXISTING LAND DRAIN	
EXISTING SERVICE DUCTS	
EXISTING IRRIGATION	
EXISTING COMBINED	
EXISTING ELECTRICAL CABLES	
EXISTING VIRGIN MEDIA CABLE	
EXISTING SLEEPER DRAIN	
LEGEND	
WATERMAIN	
PROPOSED PIPE	
EXISTING PIPE	
EXISTING WM STRUCTURE	
PROPOSED HYDRANT	
EXISTING HYDRANT	
PROPOSED METER	
PROPOSED SLUICE VALVE	
EXISTING SLUICE VALVE	
PROPOSED AIR VALVE	
ISOLATION VALVE	
LEGEND	
SURFACE WATER SEWER	
PROPOSED PIPE	
EXISTING PIPE	
PROPOSED MANHOLE	
EXISTING CHAMBERS	
PROPOSED GULLY	
PROPOSED GRID CHANNEL COMMERCIAL TYPE (HD)	
SILT TRAP BOX OUTLET	
PROPOSED GRID CHANNEL PIPEWORK	
PROPOSED SUBSOIL DRAIN	
LEGEND	
FOUL WATER	
PROPOSED PIPE	
EXISTING PIPE	
PROPOSED MANHOLE	
PROPOSED INSPECTION CHAMBER	
PROPOSED RODDING-EYE	
EXISTING MANHOLE	

DRAINAGE PLAN
SCALE 1:100

FOR PART 8

NOTES:

For setting out refer to Architect's drawings. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications. DO NOT SCALE THIS DRAWING. Figured dimensions only to be used in all cases. Verify dimensions on site and report any discrepancies immediately. This drawing is copyright and must not be reproduced, transmitted or stored in any form without the permission of STEM Consulting Engineers Ltd. except as agreed on this project.

Rev	Dm	Chkd	Amendments	Date
P02	BP	AS	FOR PART 8	11.02.2025
P01	BP	AS	FOR COMMENT	30.01.2025

Rev	Dm	Chkd	Amendments	Date

Drawing Sheet Size	A1
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Project :	No. 09 George's Place, Dun Laoghaire
Title :	Drainage Plan
Drg No. :	24139-STEM-XX-XX-DR-C-401
Scale :	AS SHOWN
Dm By :	BP
Revision :	P02
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