



**LEGEND:**

- EXISTING SURFACE WATER DRAINAGE
- NEW SW DRAINAGE
- EXISTING FOUL SEWER
- NEW FOUL SEWER
- DENOTES PERMEABLE SURFACING TO CAR PARKING SPACES
- DENOTES IRRIGATION TREE PIT
- DENOTES ROOFS OF PROPOSED APARTMENT BLOCKS
- DENOTES INACCESSIBLE EXTENSIVE ROOF COVER TO PROPOSED APARTMENT BLOCKS
- DENOTES COMMUNAL OPEN SPACE ON ROOF TERRACE
- DENOTES BIO-RETENTION AREA
- TOPOGRAPHICAL SURVEY INFORMATION SHOWN DENOTES GREEN FIELD LEVELS AND FEATURES FOR REFERENCE ONLY

PROPOSED UNDERGROUND STORMTECH ATTENUATION TANK 'A'  
 VOLUME 530m<sup>3</sup>  
 OVERALL ATTENUATION VOLUME IN TANKS 'A' AND 'B' = 530m<sup>3</sup> + 387m<sup>3</sup> = 917m<sup>3</sup>  
 BASE OF TANK @ +89.90  
 HIGH WATER LEVEL @ +91.68  
 MIN FLOOR LEVEL IN CORRESPONDING CATCHMENT SET @ +92.65

PROPOSED UNDERGROUND STORMTECH ATTENUATION TANK 'B'  
 VOLUME 387m<sup>3</sup>  
 OVERALL ATTENUATION VOLUME IN TANKS 'A' AND 'B' = 530m<sup>3</sup> + 387m<sup>3</sup> = 917m<sup>3</sup>  
 BASE OF TANK @ +89.90  
 HIGH WATER LEVEL @ +91.68  
 MIN FLOOR LEVEL IN CORRESPONDING CATCHMENT SET @ +92.65

2250 GRAVITY CONNECTION TO BE MADE WHEN ADDITIONAL PEAK HOURS CAPACITY IN THE RECEIVING FOUL NETWORK BECOMES AVAILABLE.

2250 GRAVITY CONNECTION TO BE MADE WHEN ADDITIONAL PEAK HOURS CAPACITY IN THE RECEIVING FOUL NETWORK BECOMES AVAILABLE.

UNDERGROUND FOUL PUMP STATION WITH 24H STORAGE TANK TO INTERCEPT FOUL SEWAGE AND TO STORE FOR GRAVITY PEAK FLOWS. PROPOSED PUMPING STATION TO BE DECOMMISSIONED WHEN UPGRADES TO THE RECEIVING NETWORK ARE FINISHED AND THE ADDITIONAL CAPACITY DURING PEAK HOURS BECOMES AVAILABLE.

FOUL SEWER NETWORK AND ALL ASSOCIATED WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE STANDARD DETAILS:  
 • IW-CDS-5030-1  
 • IW-CDS-5030-3

WASTEWATER PIPE MATERIALS:

ALL SEWER PIPE MATERIALS TO BE IN COMPLIANCE WITH SECTION 3.13 OF THE IRISH WATER "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE" REF. IW-CDS-5030-03

ALL RISING MAIN PIPE MATERIALS TO BE IN COMPLIANCE WITH SECTION 3.14 OF THE IRISH WATER "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE" REF. IW-CDS-5030-03

MANHOLE COVERS:

200mm ALL AROUND x 100mm DEEP, C20/25 CONCRETE PLINTH COMPLETE WITH BULL NOSE FINISH TO BE PROVIDED COMPLETE WITH MILD STEEL REINFORCEMENT LINK AROUND COVERS IN GREEN AREAS AS PER IW STANDARD DETAILS

PL2	07/04/2022	PB	BK	DOS	SITE PLAN UPDATED
PL1	18/01/2021	BK	DOS		ISSUED FOR PLANNING
Mark	Date	By	Chk	App	Revision

**PLANNING**

Job Title  
**DEVELOPMENT AT BROOMHILL ROAD**

**DRAINAGE LAYOUT**

Architect/Client  
**GARYARON HOMES**

**KAVANAGH BURKE**  
 CONSULTING ENGINEERS

Tel. 01 - 450 0694 Unit G3, Calmount Pk.  
 Fax. 01 - 426 4340 Ballymount,  
 Email: pkavanagh@kavanaghburke.ie Dublin 12.

Drn	PB	Checked	GK	Approved	DOS
Scale	1:250	Date	07/04/2022	Rev.	
Job No.	D1679	Drawing No.	D1	Rev.	PL2