



DO NOT SCALE USE FIGURED DIMENSIONS ONLY

**LEGEND:**

- PROPOSED SURFACE WATER DRAINAGE AND MANHOLE
- EXISTING SURFACE WATER SEWER
- PROPOSED INSPECTION CHAMBER
- PROPOSED SERVICE CONNECTION
- PROPOSED PERFORATED PIPE
- PROPOSED CHANNEL DRAIN
- PROPOSED ROAD GULLY
- PROPOSED FOOTPATH GULLY
- PROPOSED ATTENUATION
- PROPOSED FILTER DRAIN
- PROPOSED BIO-RETENTION SYSTEM
- PROPOSED PETROL INTERCEPTOR
- PROPOSED PERMEABLE PAVING



**PROPOSED ATTENUATION - ESS EcoCell GEOCELLULAR SYSTEM OR SIMILAR APPROVED**  
 INVERT LEVEL: 7.200m  
 DEPTH: 1.2m  
 TOP WATER LEVEL: 8.400m  
 AREA: 109m<sup>2</sup>  
 POROSITY: 0.95%  
 STORAGE VOLUME: 124m<sup>3</sup>

ACO CHANNEL DRAINED INTO THE PERMEABLE PAVEMENT SUB BASE

**PROPOSED SUMP MANHOLE**

**BUILDING 02**

**BUILDING 01**

**S-8 SUMP MANHOLE**  
 CL 9.800m  
 Depth (m) 2.600

**S-3 SUMP MANHOLE**  
 CL 9.260m  
 Depth (m) 1.905

**S-1 SUMP MANHOLE**  
 CL 9.000m  
 Depth (m) 0.900

**S-2 SUMP MANHOLE**  
 CL 9.190m  
 Depth (m) 1.136

**S-1 SUMP MANHOLE**  
 CL 9.100m  
 Depth (m) 1.100

**S-3 SUMP MANHOLE**  
 CL 9.236m  
 Depth (m) 1.905

**S-1 SUMP MANHOLE**  
 CL 9.000m  
 Depth (m) 0.900

**S-2 SUMP MANHOLE**  
 CL 9.190m  
 Depth (m) 1.136

**S-1 SUMP MANHOLE**  
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 Depth (m) 1.905

**S-1 SUMP MANHOLE**  
 CL 9.000m  
 Depth (m) 0.900

**S-2 SUMP MANHOLE**  
 CL 9.190m  
 Depth (m) 1.136

**S-1 SUMP MANHOLE**  
 CL 9.100m  
 Depth (m) 1.100

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REVISION	DATE	DESCRIPTION	REV BY	CHK BY
A	21.10.20	ISSUED FOR PLANNING	SC	SS

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PROJECT		ST. MICHAELS DEVELOPMENT, DÚN LAOGHAIRE		
CLIENT		FITZWILLIAM DL LTD		
TITLE		SURFACE WATER DRAINAGE SITE LAYOUT		
Director	Proj. Eng.	Drawn by	DRG. No.	REV
SSR	SS	SC	D1855-C-02	A
Scale:	Checked:	Date:		
1:250 @A1	SS	OCT 20		

**PLANNING**