


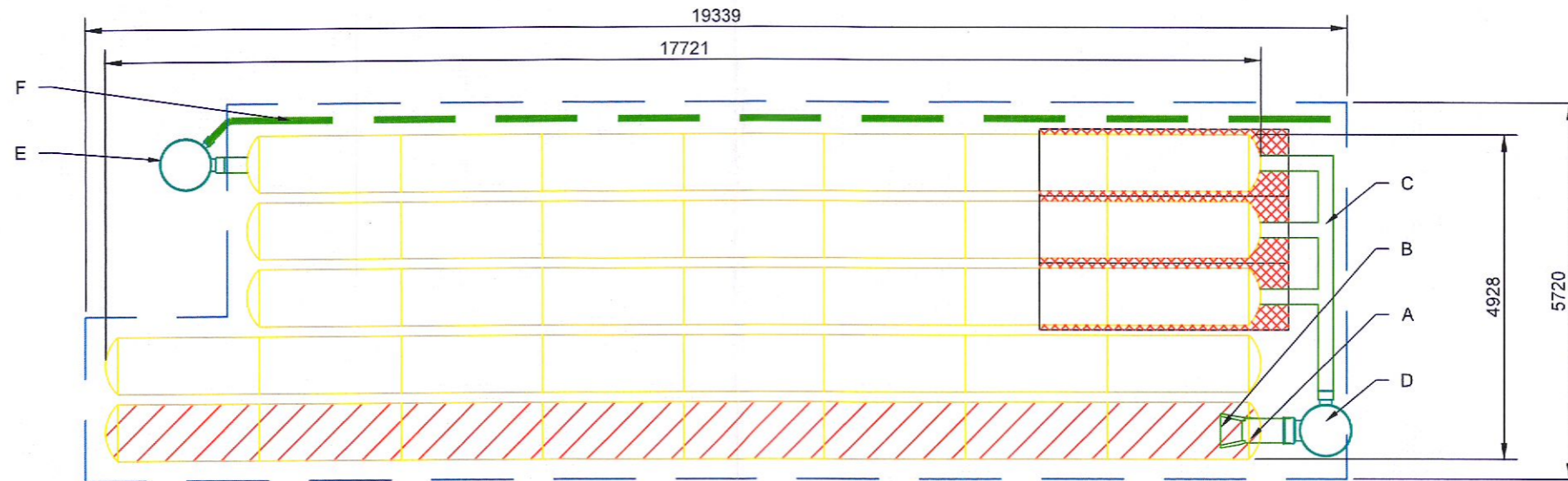
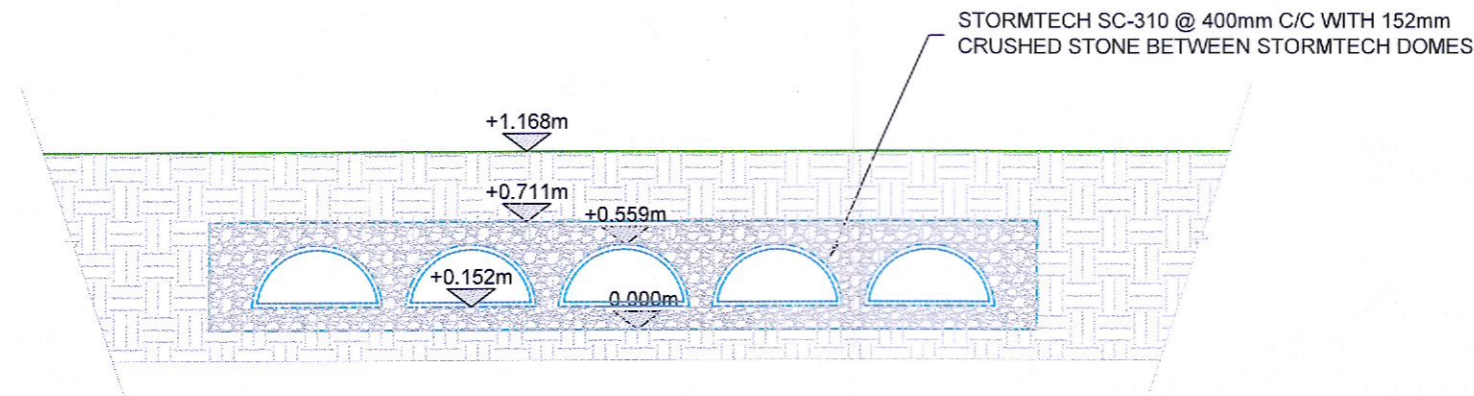


-  ISOLATOR ROW PLUS (SEE DETAIL)
-  PLACE MINIMUM 3.810 m OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS
-  PERIMETER



1 TYPICAL STORMTECH ATTENUATION TANK LAYOUT  
SCALE: 1:100

PROPOSED LAYOUT	
37	STORMTECH SC-310 CHAMBERS
10	STORMTECH SC-310 END CAPS
152	STONE ABOVE (mm)
152	STONE BELOW (mm)
40	STONE VOID
38.8	INSTALLED SYSTEM VOLUME (m <sup>3</sup> ) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)
103.6	SYSTEM AREA (m <sup>2</sup> )
50.1	SYSTEM PERIMETER (m)



2 TYPICAL STORMTECH CROSS SECTION  
SCALE: 1:50

CONCEPTUAL ELEVATIONS	
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	2.997
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	1.168
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	1.016
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	1.016
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	1.016
TOP OF STONE:	0.711
TOP OF SC-310 CHAMBER:	0.559
200 mm x 200 mm TOP MANIFOLD INVERT:	0.241
300 mm ISOLATOR ROW PLUS INVERT:	0.175
200 mm BOTTOM CONNECTION INVERT:	0.168
BOTTOM OF SC-310 CHAMBER:	0.152
UNDERDRAIN INVERT:	0.000
BOTTOM OF STONE:	0.000

ITEM ON LAYOUT	PART TYPE	DESCRIPTION	INVERT*	MAX FLOW
A	PREFABRICATED EZ END CAP	300 mm BOTTOM PREFABRICATED EZ END CAP, PART#: SC310ECEZ / TYP OF ALL 300 mm BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	23 mm	
B	FLAMP	INSTALL FLAMP ON 300 mm ACCESS PIPE / PART#: SC31012RAMP		
C	MANIFOLD	200 mm x 200 mm TOP MANIFOLD, MOLDED FITTINGS	89 mm	
D	NYLOPLAST (INLET W/ ISO PLUS ROW)	750 mm DIAMETER (610 mm SUMP MIN)		65 L/s IN
E	NYLOPLAST (OUTLET)	750 mm DIAMETER (DESIGN BY ENGINEER)		20 L/s OUT
F	UNDERDRAIN	100 mm ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		

**PLANNING**

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REV NO:	DATE:	REVISION NOTE:	DWN BY:	CKD BY:
P01	14/07/2022	ISSUE FOR PLANNING	AH	MH

CLIENT:	DUNNES STORES		
PROJECT:	KILNAMANAGH SHOPPING CENTRE, TREPARK ROAD / MAYBERRY ROAD, KILNAMANAGH, DUBLIN 24		
TITLE:	TYPICAL ATTENUATION TANK PLAN & SECTION		
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