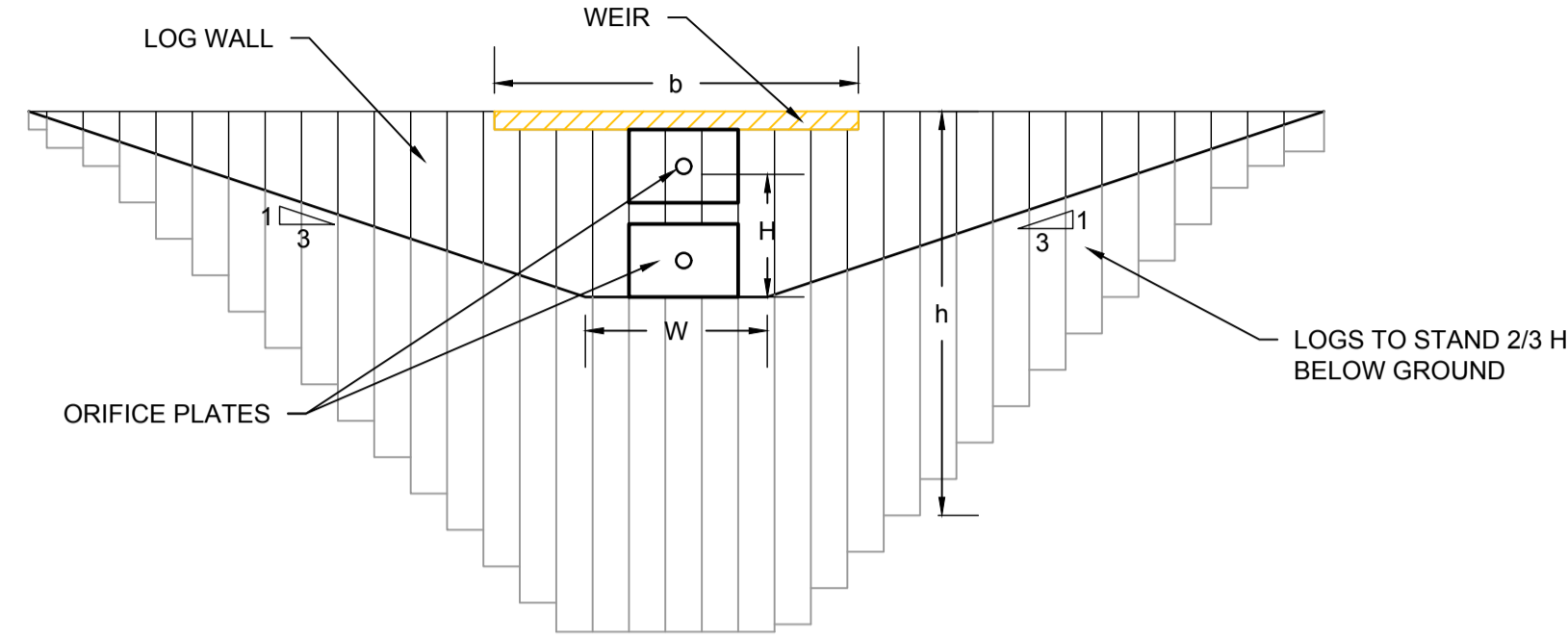
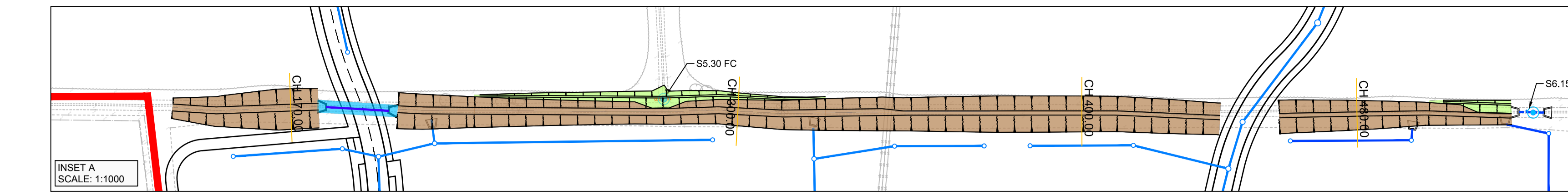


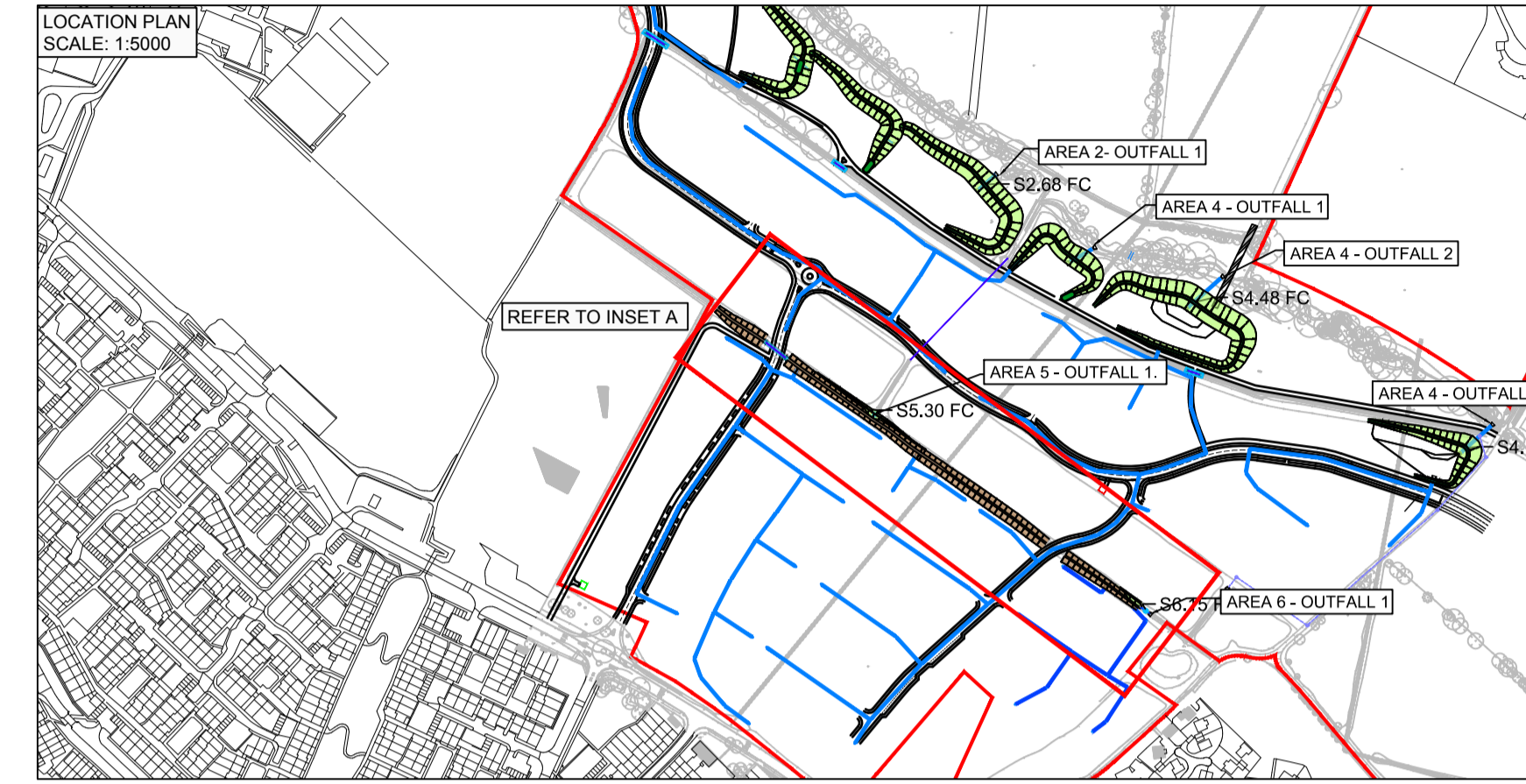
CROSS SECTIONS KEY:
 - PROPOSED GROUND PROFILE
 - EXISTING GROUND PROFILE
 - 1 IN 1 STORM WATER PROFILE
 - 1 IN 30 STORM WATER PROFILE
 - 1 IN 100 +30% CC STORM WATER PROFILE

HORIZONTAL SCALE 1:250
 VERTICAL SCALE 1:50

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SECTION THROUGH LOG WALL FLOW CONTROL (AREA 5 - OUTFALL 1 FLOW CONTROL)
 NTS



Swale 03		
Depth (m)	Area (m ²)	Cumulative Volume (m ³)
0.150	569	76
0.250	696	139
0.500	958	344
0.750	1515	596
1.000	1765	1407
1.250	1969	1611
1.500	2100	1847

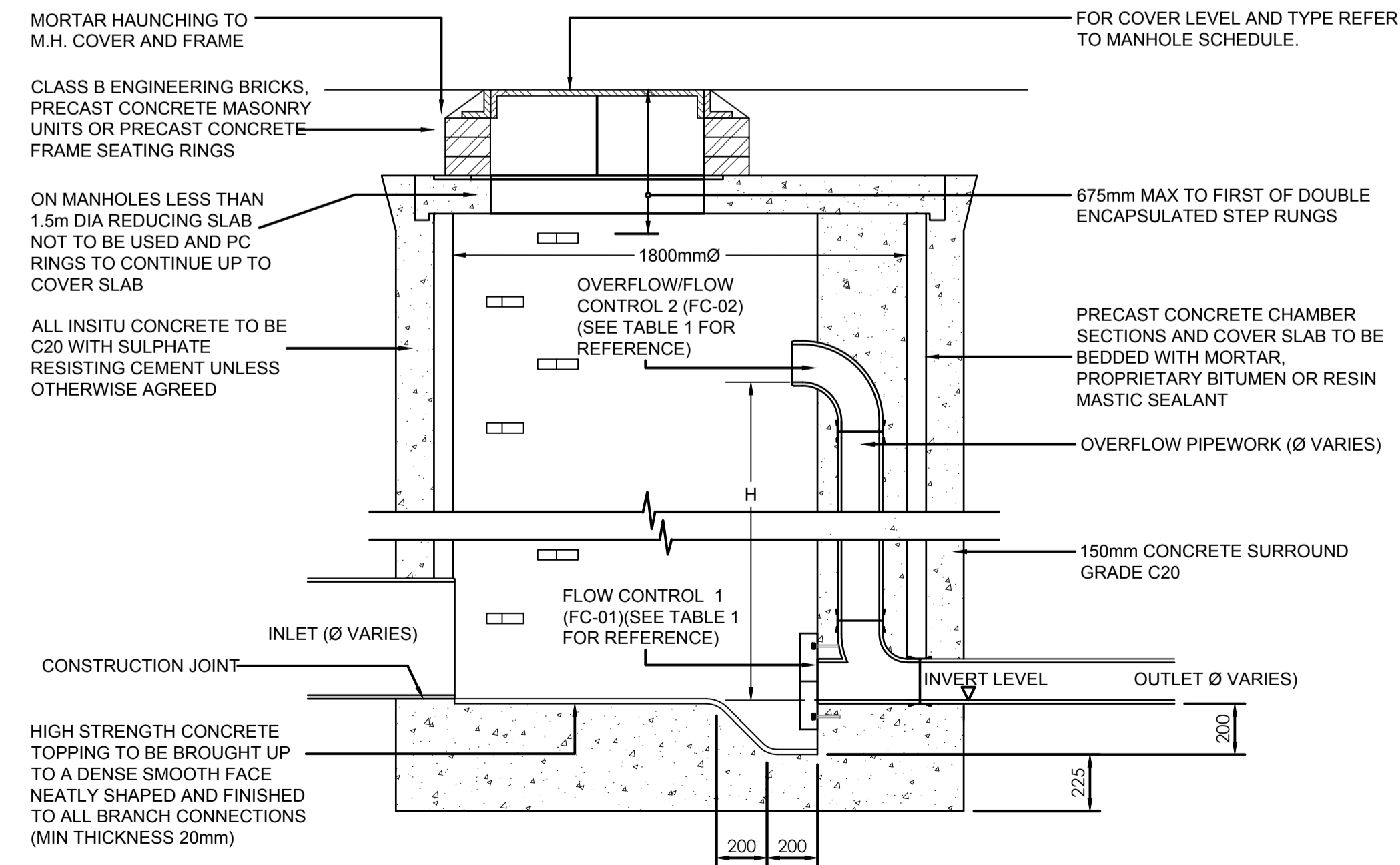
Swale 04		
Depth (m)	Area (m ²)	Cumulative Volume (m ³)
0.150	124	16
0.250	151	29
0.500	218	76
0.750	285	138
1.000	356	218
1.230	451	309

TABLE 2 - SWALES VOLUME DETAILS

Catchment	Greenfield Conditions			Networks													
	Required Discharge rates (l/s)			Outfall - Flow control system							Discharge rates(Q)/ Water levels(WL)						
	Q1 in 1	Q1 in 30	Q1 in 100	Outfall number	DS Pipe number	Manhole number	Cover Level	Invert Level	Flow control Ref.	Type	Depth Above Invert (H) (mm)	Q1 in 1		Q1 in 30		Q1 in 100	
Area 5	4.37	11.60	16.10	Area 5, Outfall 1	1.004	S5.30 FC	92.000	90.470	FC05-01	Ø60mm Plate	150	5.30	90.990	10.70	91.422	14.60	91.830
									FC05-02	Ø90mm Plate	700						
									TOTAL			5.30		10.70		14.60	

Catchment	Greenfield Conditions			Networks													
	Required Discharge rates (l/s)			Outfall - Flow control system							Discharge rates(Q)/ Water levels(WL)						
	Q1 in 1	Q1 in 30	Q1 in 100	Outfall number	DS Pipe number	Manhole number	Cover Level	Invert Level	Flow control Ref.	Type	Depth Above Invert (H) (mm)	Q1 in 1		Q1 in 30		Q1 in 100	
Area 6	1.44	3.82	5.31	Area 6, Outfall 1	1.002	S6.15 FC	91.300	90.070	FC06-01	Hydrobrake	150	1.40	90.489	1.800	90.821	5.10	91.130
									FC06-02	Ø55mm Oriflow	800						
									TOTAL			1.40		1.80		5.10	

TABLE 1 - DISCHARGE DETAILS



SECTION THROUGH FLOW CONTROL MANHOLE
 SCALE 1:20

GENERAL NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN UNLESS NOTED OTHERWISE.
- THIS DRAWING HAS BEEN BASED UPON SURVEY / OS INFORMATION SUPPLIED BY OTHERS. ROYAL HASKONING DHV SHALL NOT BE LIABLE FOR ANY INACCURACY OR DEFICIENCIES ARISING FROM IT.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- ALL MATERIALS AND WORKMANSHIP WILL BE AS SPECIFIED IN THE SPECIFICATION UNLESS NOTED OTHERWISE.
- ALL LEVELS, DIMENSIONS AND LOCATIONS ARE TO BE CHECKED BY THE MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.

01	22.03.19	FIRST ISSUE	JBW	PV	DJ
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS INFORMATION

CLIENT



TITLE

SWALES DETAILS



DRAWN	CHECKED	APPROVED
JBW	PV	DJ
DATE	SCALE AT A1	PROJECT NUMBER
MAR-19	AS SHOWN	PB8301

DRAWING No.	REVISION
PB8301-RHD-DE-H1-DR-D-0557	101