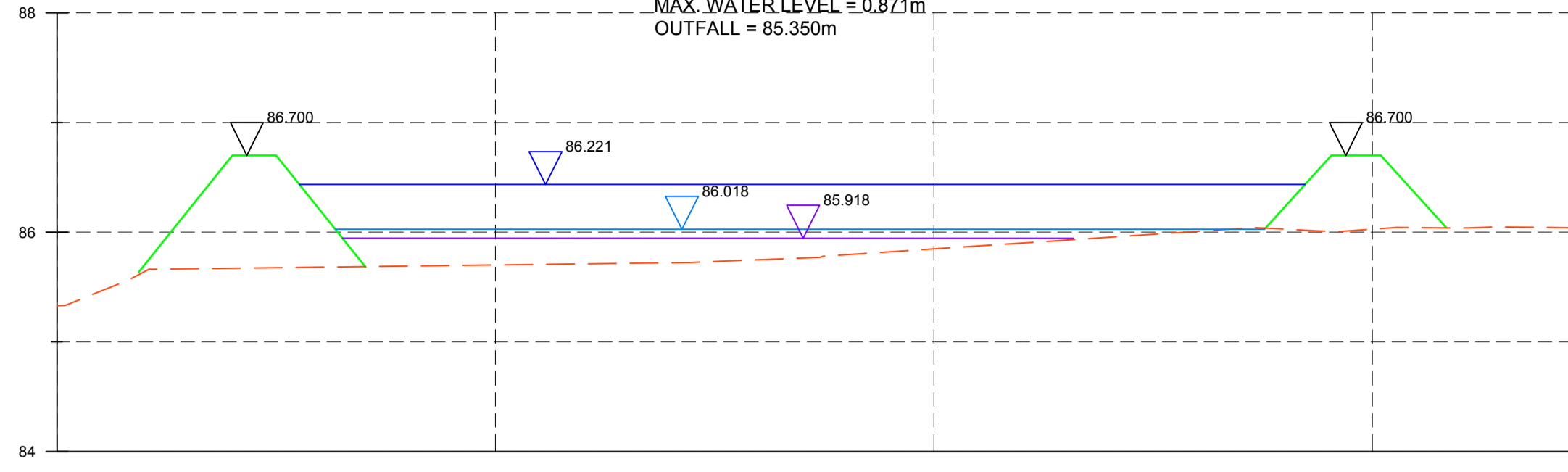
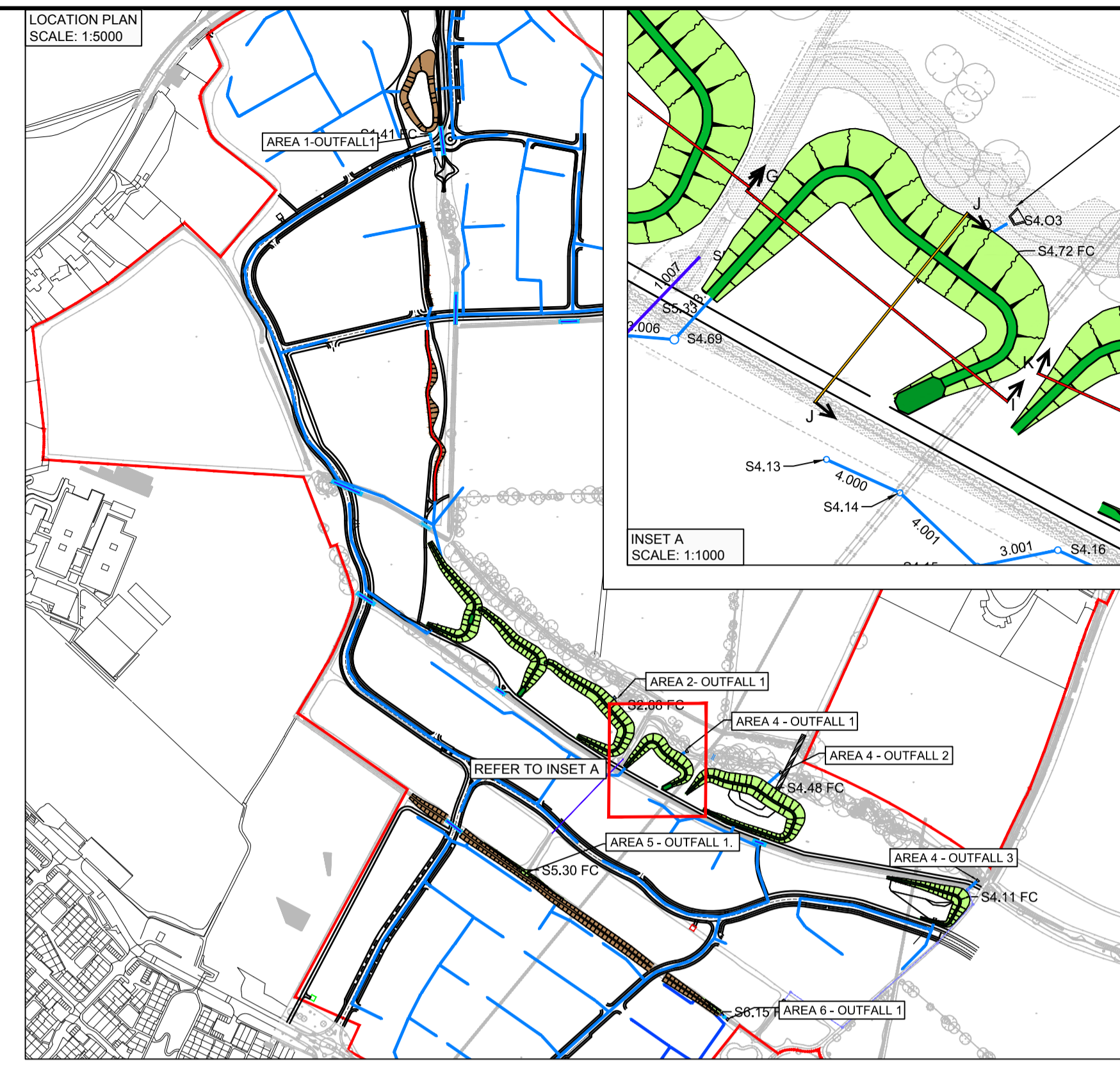
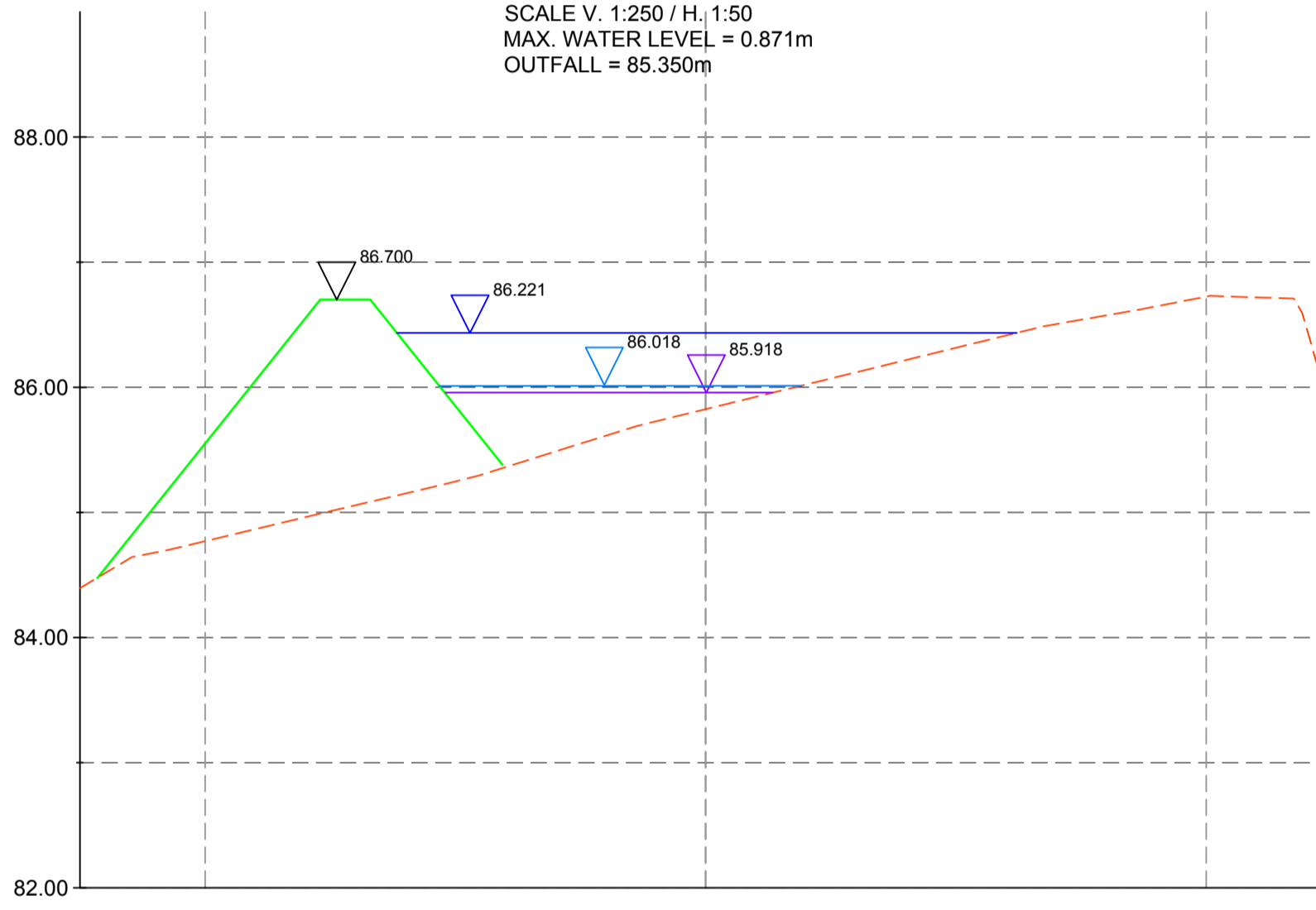


POND 4.1 LONGSECTION (I-I)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 0.871m
OUTFALL = 85.350m

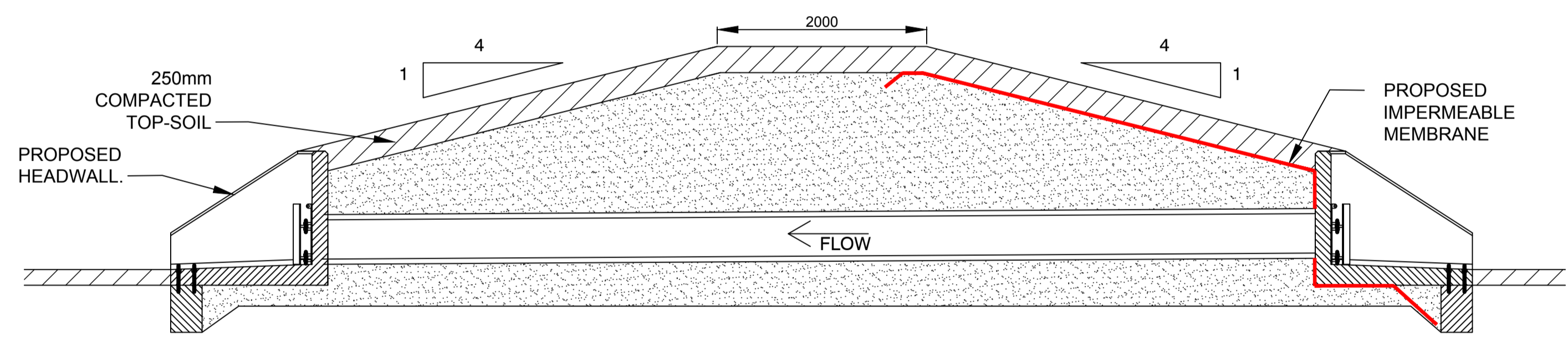


POND 4.1 CROSS SECTION (J-J)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 0.871m
OUTFALL = 85.350m



- 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 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.

- KEY**
- CROSSLONGITUDINAL SECTION
 - EXISTING GROUND PROFILE
 - PROPOSED GROUND PROFILE
 - 1 IN 1 STORM WATER PROFILE
 - 1 IN 30 STORM WATER PROFILE
 - 1 IN 100 +30% CC STORM WATER PROFILE



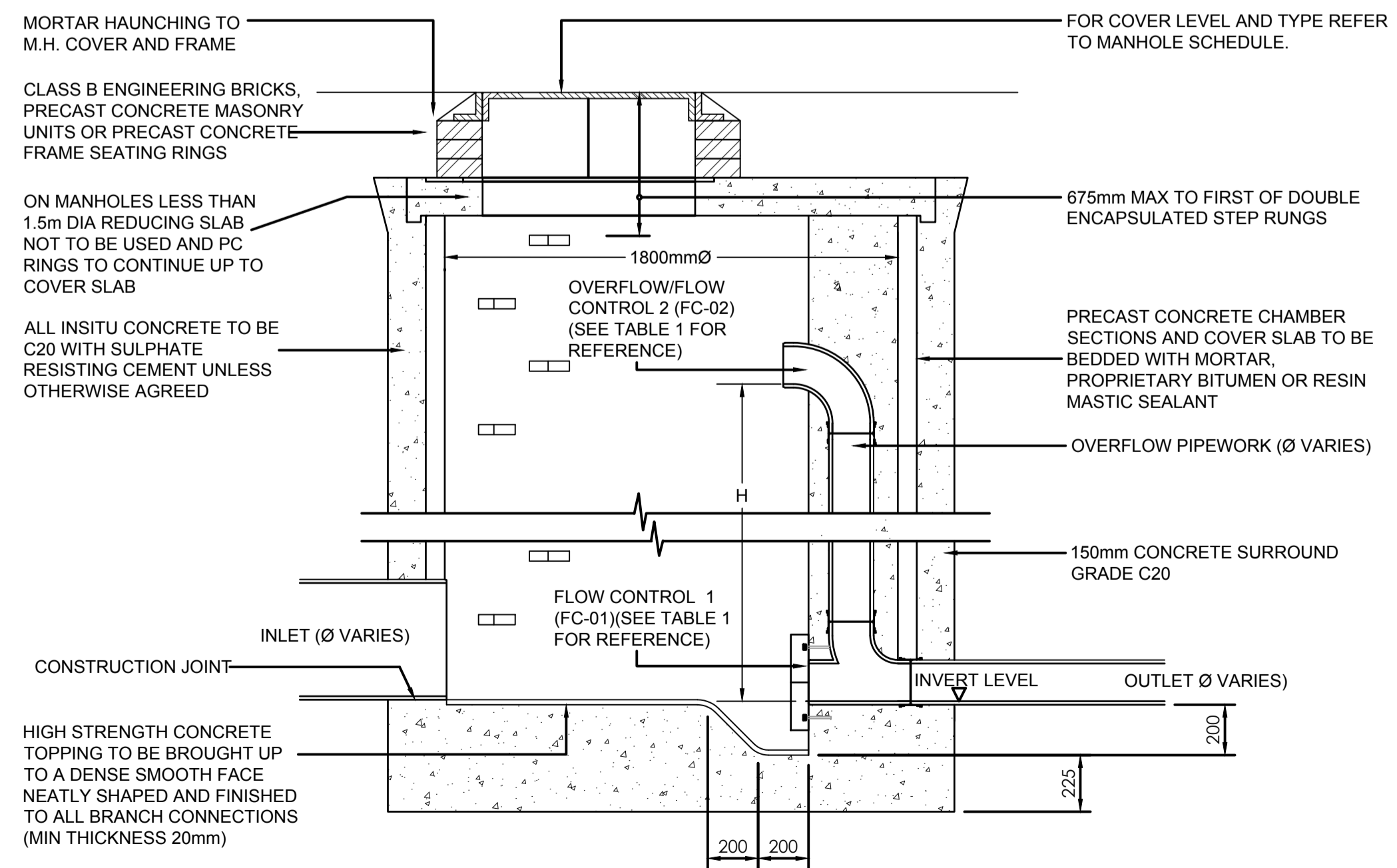
TYPICAL DETENTION BASIN MOUND DETAIL (NTS)

Catchment	Greenfield Conditions			Networks															
	Required Discharge rates (M ³ /24)			Outfall - Flow control system						Discharge rates(Q) Water levels on Detention Basin(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(mm)	Q1 in 1		Q1 in 30		Q1 in 100			
Area 4	11.00	25.96	36.04	Outfall 4.1	13.010	S4.72 FC	86.400	85.340	FC04-01	Hydrobrake	0	3.00	85.918	3.00	86.018	5.90	86.221		
				Outfall 4.2	3.007	S4.48 FC	86.200	84.390	FC04-03	Hydrobrake	0	5.00	85.018	10.30	85.510	20.70	85.932		
				Outfall 4.3	1.008	S4.11 FC	82.650	80.840	FC04-05	Hydrobrake	0	1.80	81.321	1.80	81.673	8.90	81.900		
				Outfall 4.6					FC04-06	Hydrobrake	0								
				TOTAL											9.80		15.10		35.50

TABLE 1 - DISCHARGE DETAILS

Detention Basin 4.1			
Depth(m)	Area(m ²)	Estimated Volume(m ³) (A x 40/2 x H)	Cumulative Volume(m ³)
0.150	446.6	66.9	66.9
0.000	70.5	0.0	66.9
0.250	545.0	76.9	143.8
0.500	695.7	151.3	295.2
0.750	1023.4	211.1	506.3
1.000	1398.1	301.4	807.8
1.250	0.0	0.0	807.8
1.500	0.0	0.0	807.8
TOTAL		807.75	807.8

TABLE 2 - DETENTION BASIN 4.1 VOLUME DETAILS



SECTION THROUGH FLOW CONTROL MANHOLE
SCALE 1:20

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

REVISIONS

DRAWING STATUS INFORMATION



DETENTION BASIN 4.1 DETAILS



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

DRAWING No. PB8301-RHD-DE-H1-DR-D-0554 REVISION I01