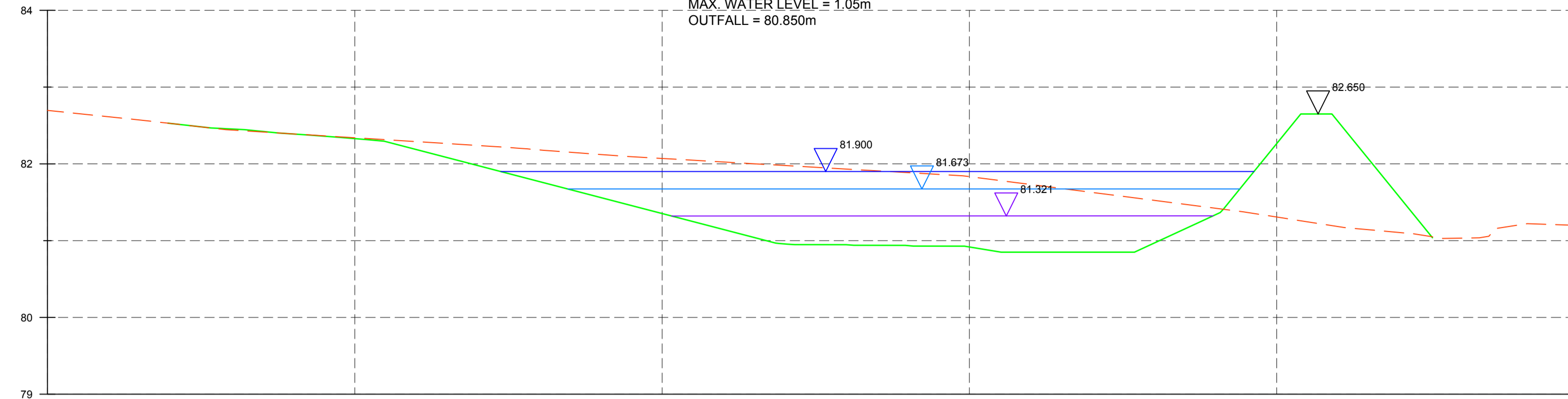
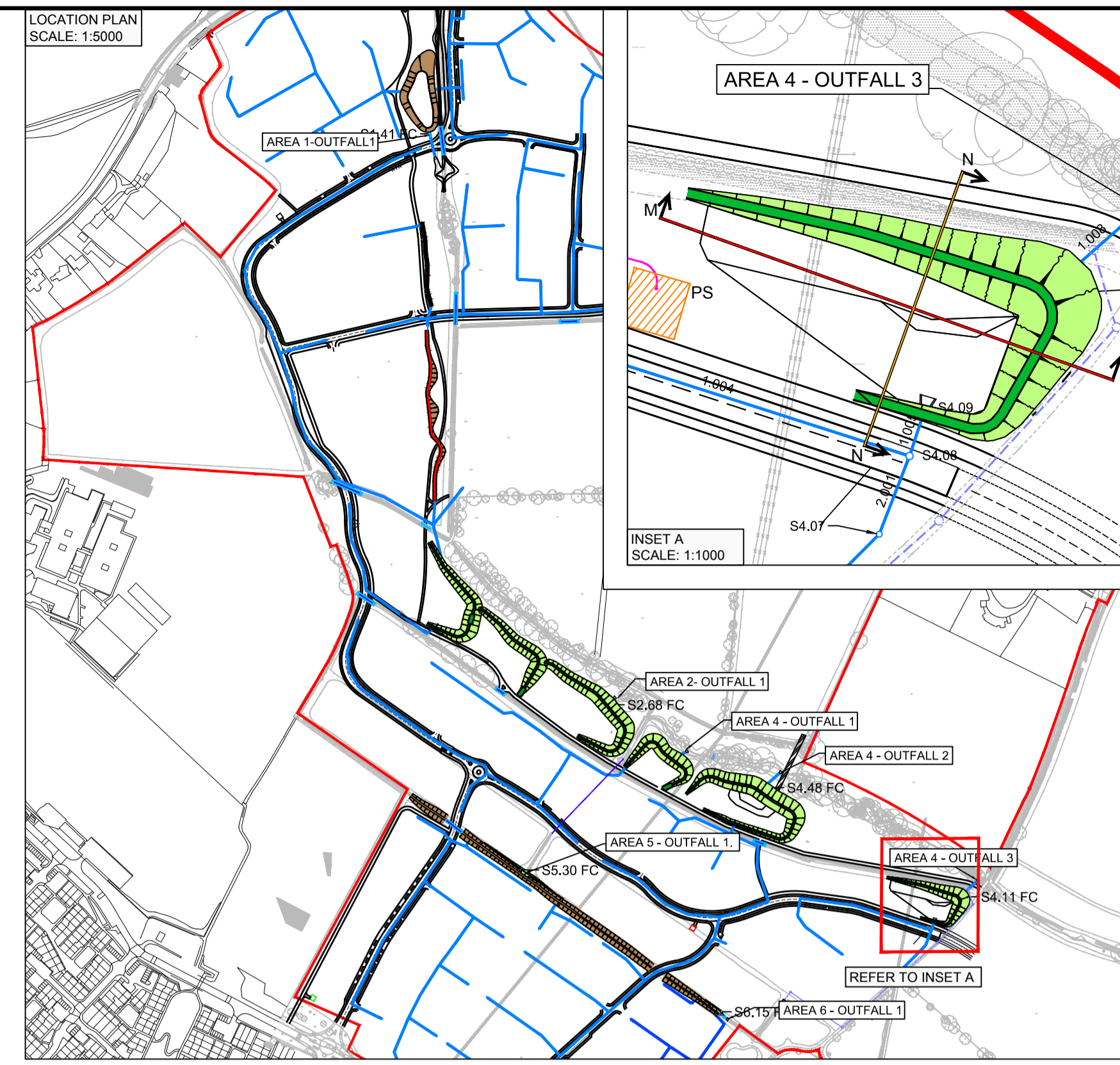
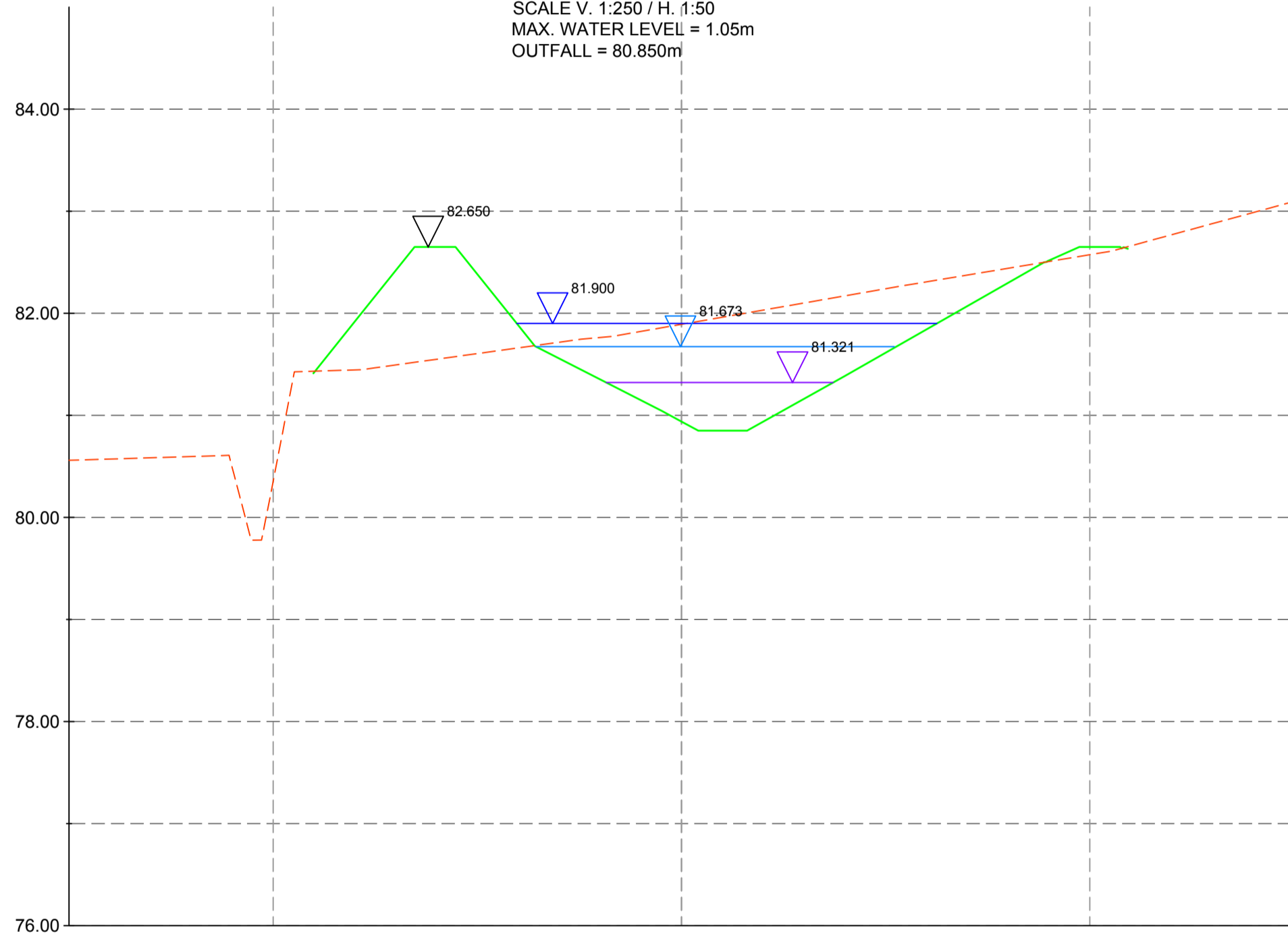


POND 4.3 LONGSECTION (M-M)
SCALE V: 1:250 / H: 1:50
MAX. WATER LEVEL = 1.05m
OUTFALL = 80.850m

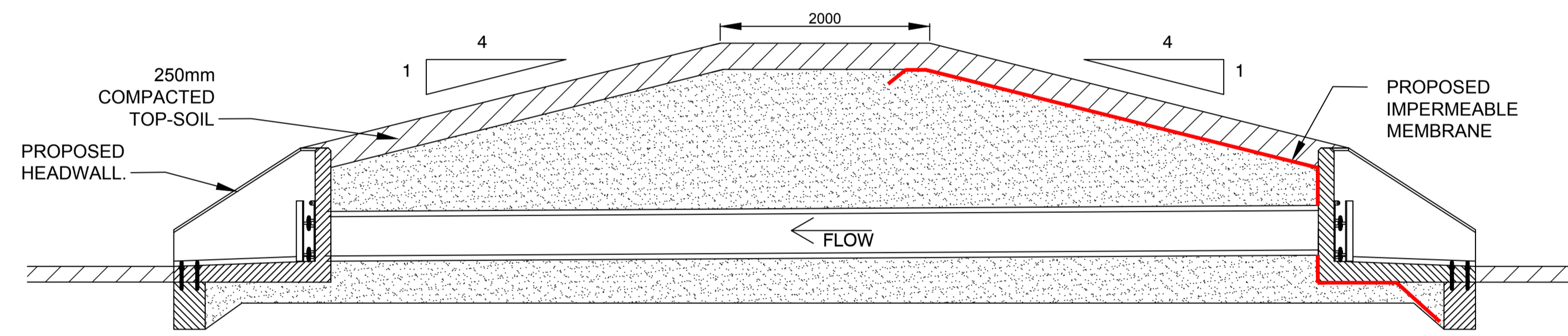


POND 4.3 CROSS SECTION (N-N)
SCALE V: 1:250 / H: 1:50
MAX. WATER LEVEL = 1.05m
OUTFALL = 80.850m



- 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



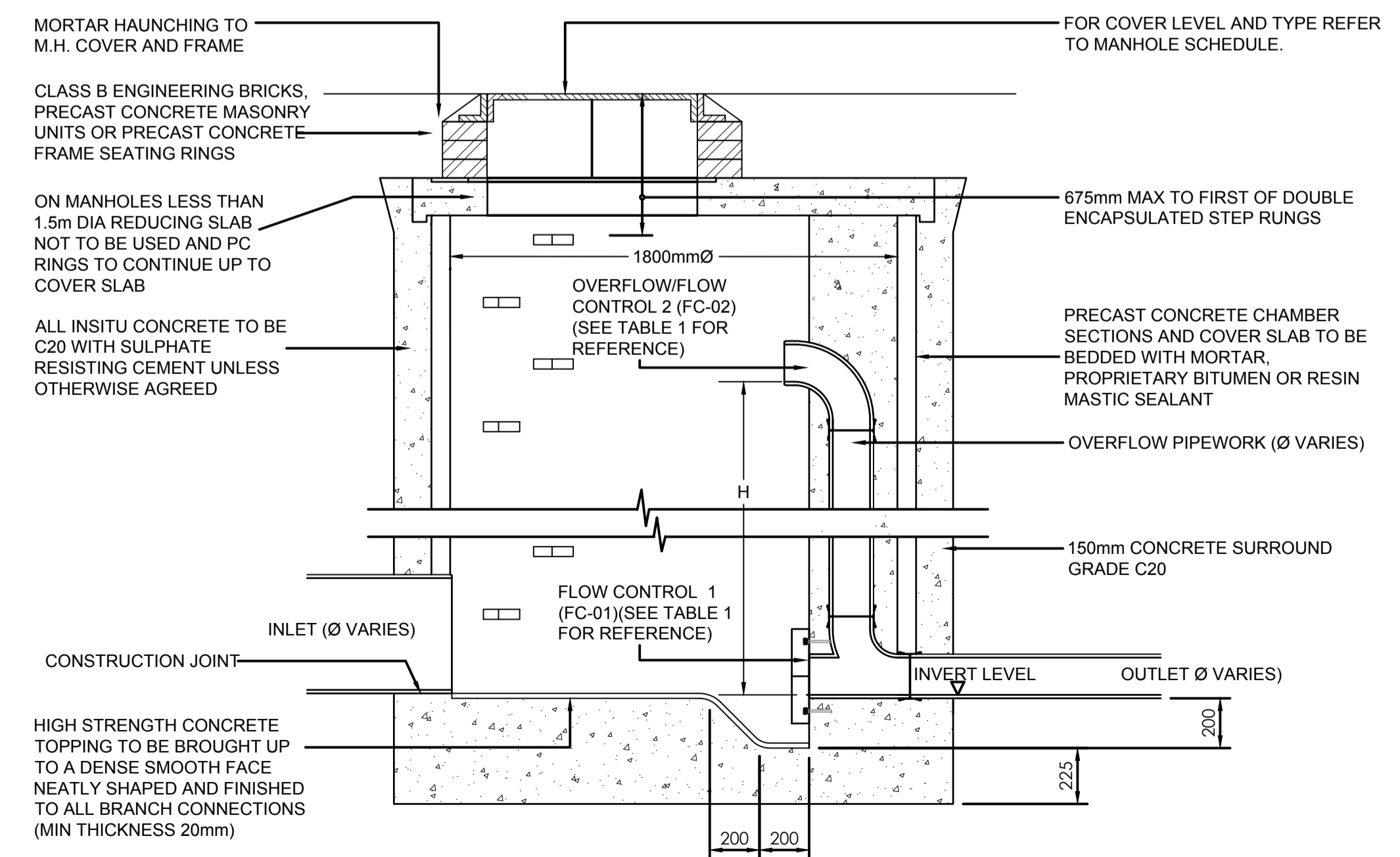
TYPICAL DETENTION BASIN MOUND DETAIL (NTS)

Catchment	Greenfield Conditions			Networks															
	Required Discharge rates (IH24)			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	25.98	96.04	Outfall 4.1	13.010	S4.72 FC	86.700	85.340	FCO4-01	Hydrobrake	0	2.30	85.761	4.40	86.119	13.30	86.357		
										FCO4-02	Ø100mm Pipe	700							
				Outfall 4.2	3.007	S4.48 FC	86.200	84.390	FCO4-03	Hydrobrake	0	5.00	85.000	5.20	85.425	15.60	85.727		
											FCO4-04	Ø100mm Pipe	1000						
				Outfall 4.3	1.008	S4.11 FC	82.650	80.840	FCO4-05	Hydrobrake	0	2.00	81.202	2.00	81.543	4.10	81.830		
												FCO4-06	Ø100mm Pipe	900					
				TOTAL									9.30	11.60	33.00				

TABLE 1 - DISCHARGE DETAILS

Detention Basin 4.3			
Depth(m)	Area(m²)	Estimated Volume(m³) (A1+A2)/2 x H	Cumulative Volume(m³)
-0.150	250.9	39.1	39.1
0.000	137.0	0.0	39.1
0.250	312.0	56.1	95.3
0.500	513.2	103.2	198.4
0.750	732.8	155.8	354.2
1.000	968.5	212.7	566.8
1.250	1259.2	278.5	845.3
1.500	1610.0	358.7	1203.9
TOTAL		1203.93	1203.9

TABLE 2 - DETENTION BASIN 4.3 VOLUME DETAILS



SECTION THROUGH FLOW CONTROL MANHOLE
SCALE 1:20

101	22.03.19	FIRST ISSUE	JBW	PV	DJ
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

DRAWING STATUS INFORMATION

CLIENT

PROJECT

TITLE

DETENTION BASIN 4.3 DETAILS

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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-0556	101