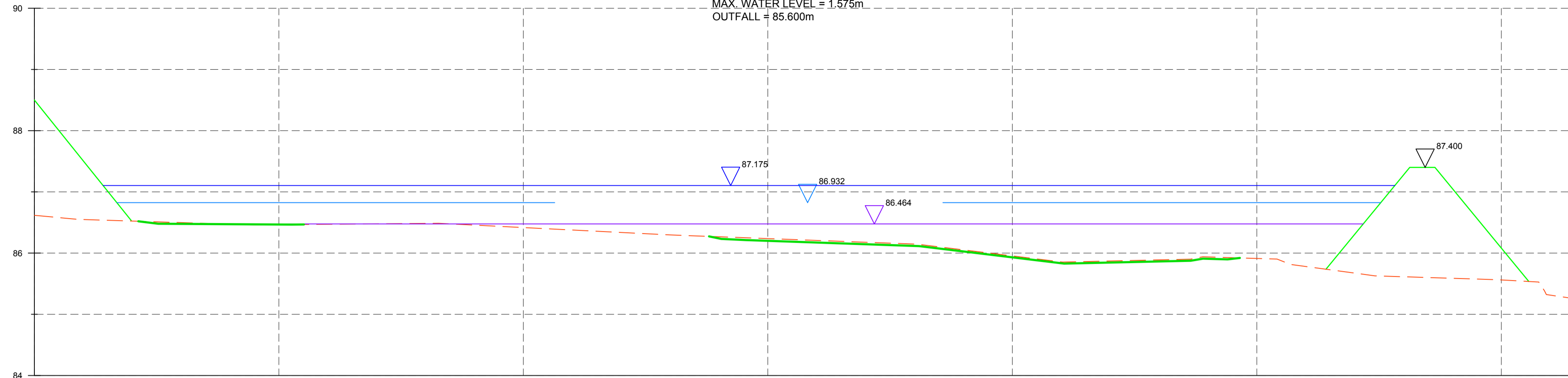
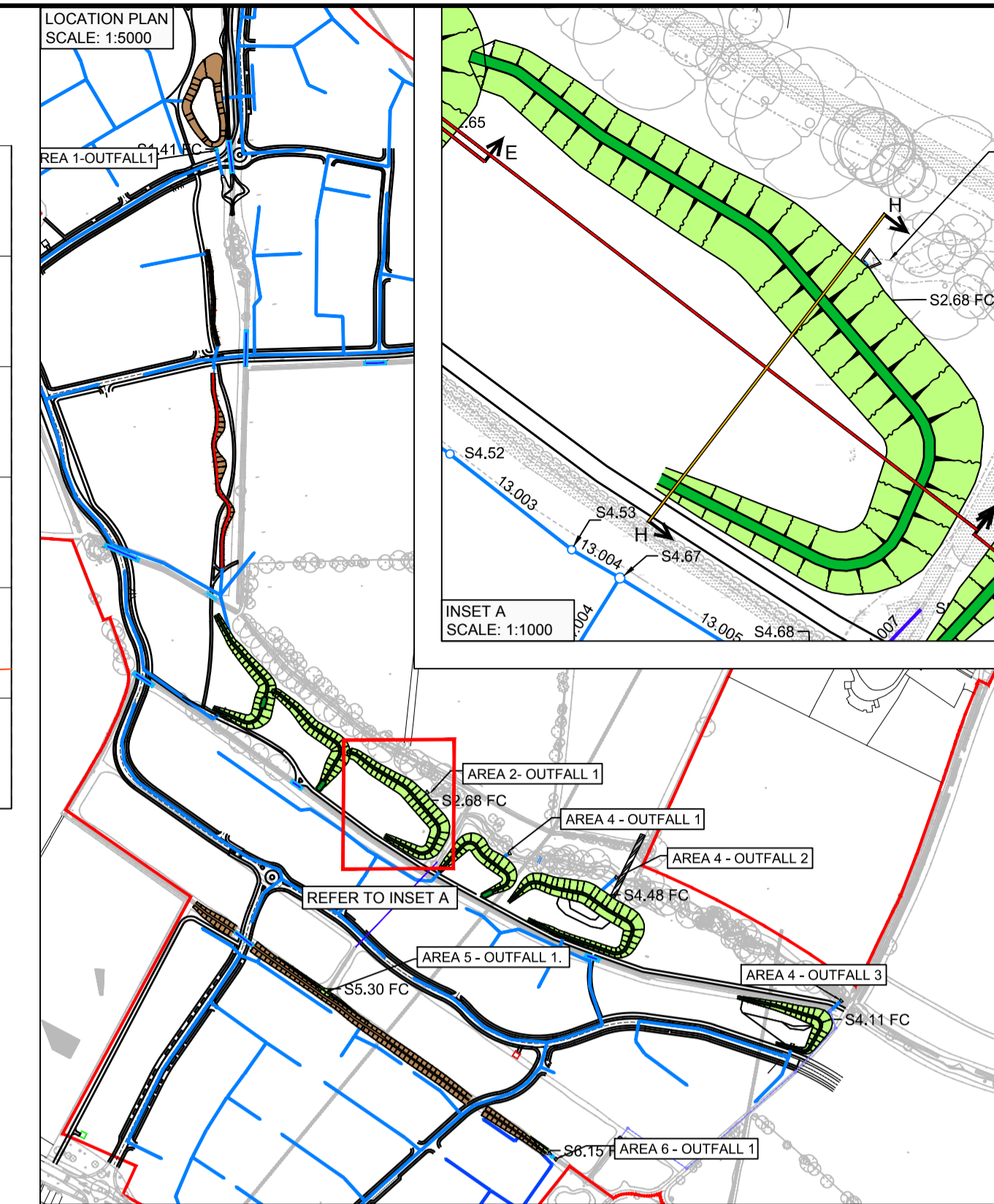
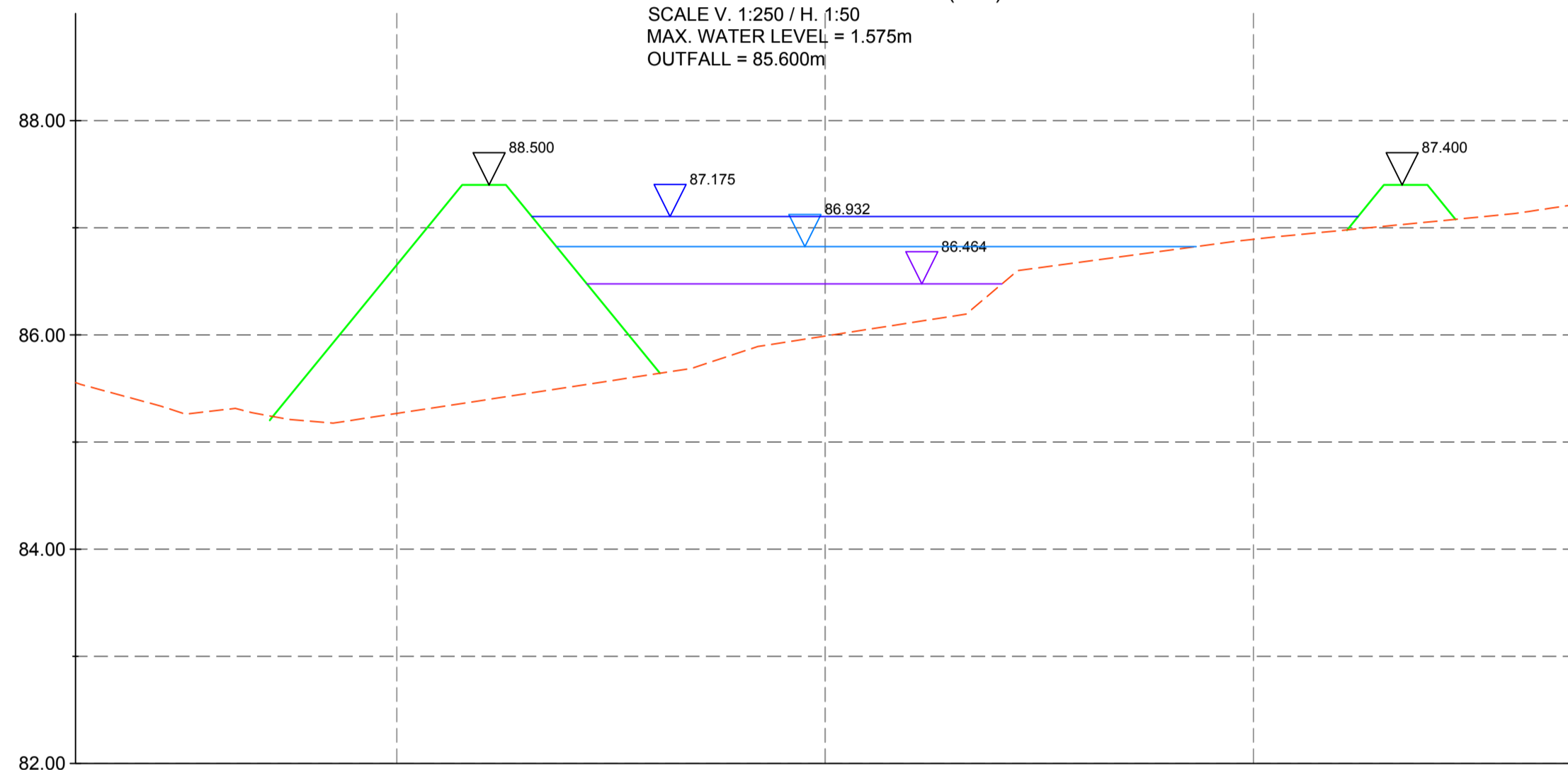


POND 2.3 LONGSECTION (G-G)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 1.575m
OUTFALL = 85.600m

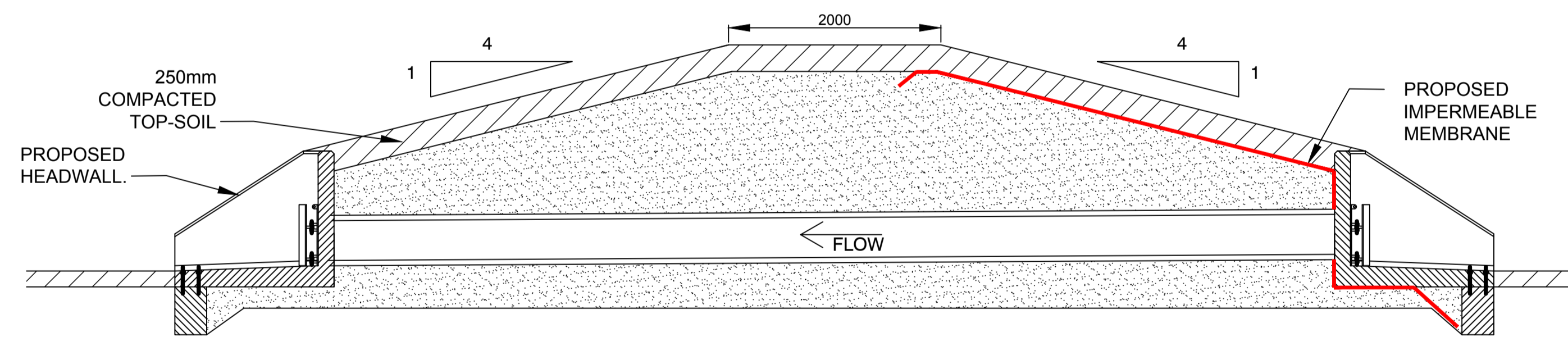


POND 2.3 CROSS SECTION (H-H)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 1.575m
OUTFALL = 85.600m



- 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



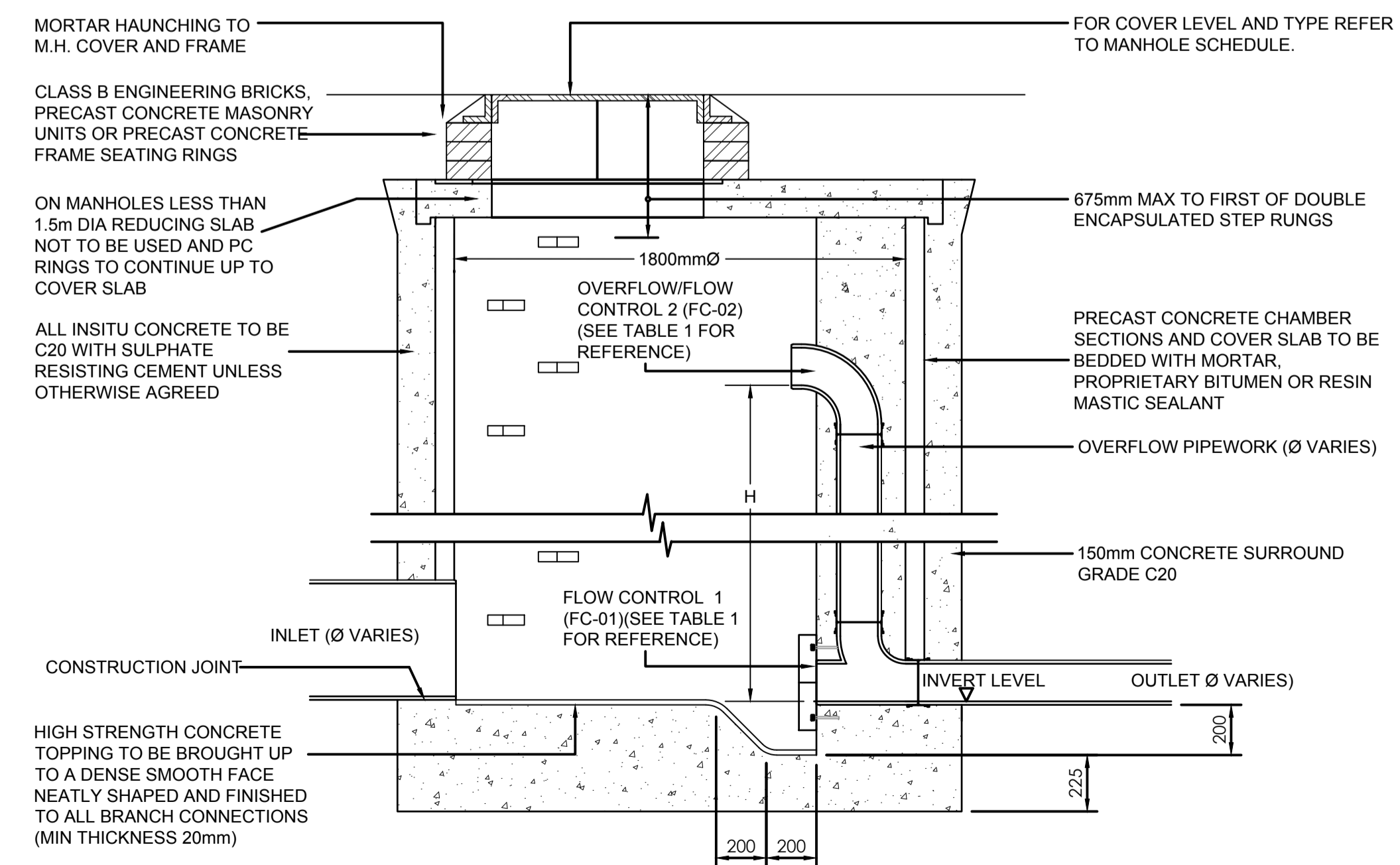
TYPICAL DETENTION BASIN MOUND DETAIL (NTS)

Catchment	Greenfield Conditions			Networks														
	Required Discharge rates (IH124)			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(mm)	Q	WL	Q	WL	Q	WL	
Area 2	14.57	38.69	53.70	n/a	1.009	S2.61	89.70	87.90	n/a	Ø375mm Pipe	0	88.273		88.898		89.370		
				n/a	1.012	S2.64	88.50	86.74	n/a	Ø300mm Pipe	0	87.271		87.872		88.213		
				Area 2, Outfall 1	1.016	S2.68 FC	87.40	85.59	FC02-01	Ø280mm Plate	0	12.20	86.467	26.30	86.933	53.70	87.180	
									FC02-02	Ø180mm Pipe	1200							
									TOTAL		12.20		26.30		53.70			

TABLE 1 - DISCHARGE DETAILS

Detention Basin 2.3			
Depth(m)	Area(m²)	Estimated Volume(m³) (A1+A2)/2 x H	Cumulative Volume(m³)
-0.150	800.6	120.1	120.1
0.000	201.0	0.0	120.1
0.250	779.6	122.6	242.7
0.500	1301.0	260.1	502.8
0.750	2127.0	428.5	931.3
1.000	2764.0	611.4	1542.6
1.250	3314.0	759.8	2302.4
1.500	3711.0	878.1	3180.5
TOTAL		3180.50	3180.5

TABLE 2 - DETENTION BASIN 2.3 VOLUME DETAILS

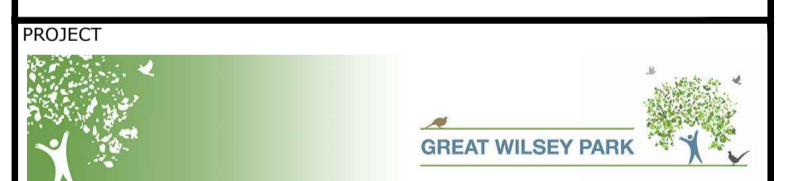


SECTION THROUGH FLOW CONTROL MANHOLE
SCALE 1:20

REV	DATE	DESCRIPTION	BY	CHK	APP
I01	22.03.19	FIRST ISSUE	JBW	PV	DJ

REVISIONS INFORMATION

CLIENT



TITLE

DETENTION BASIN 2.3 DETAILS



DRAWN	CHECKED	APPROVED
JBW	PV	DJ

DATE	SCALE AT ALL PROJECT NUMBER
MAR-19	AS SHOWN PB8301

DRAWING No.	REVISION
PB8301-RHD-DE-H1-DR-D-0553	I01