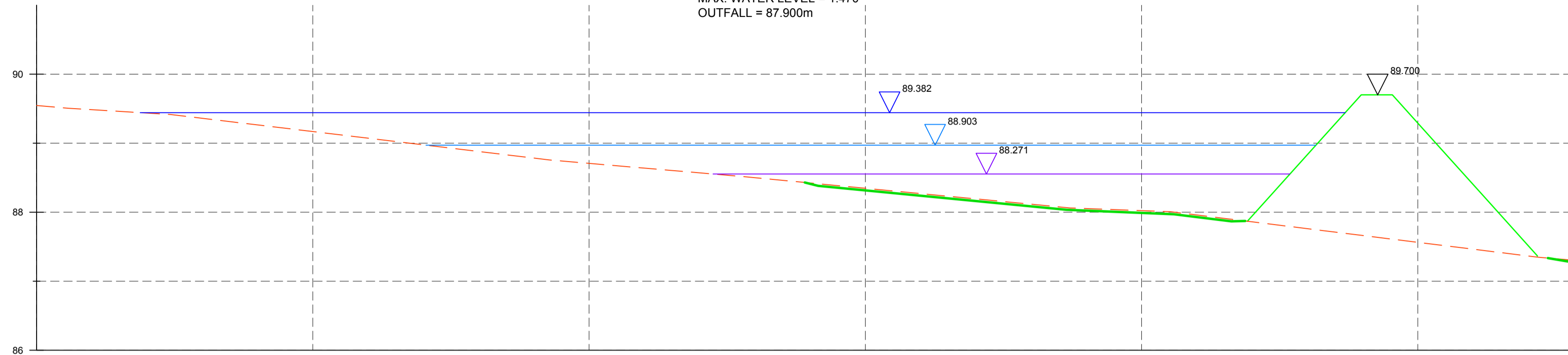
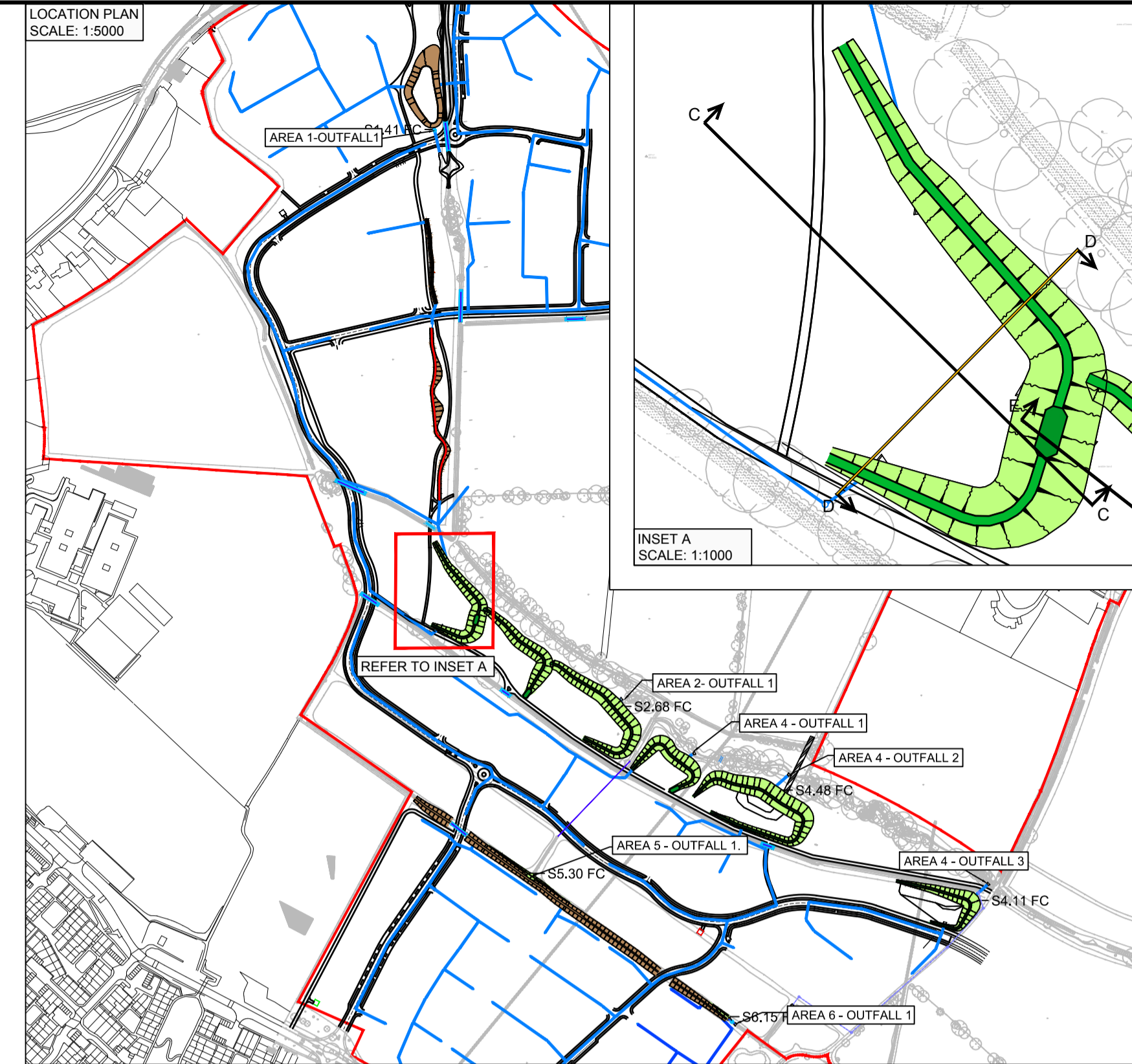
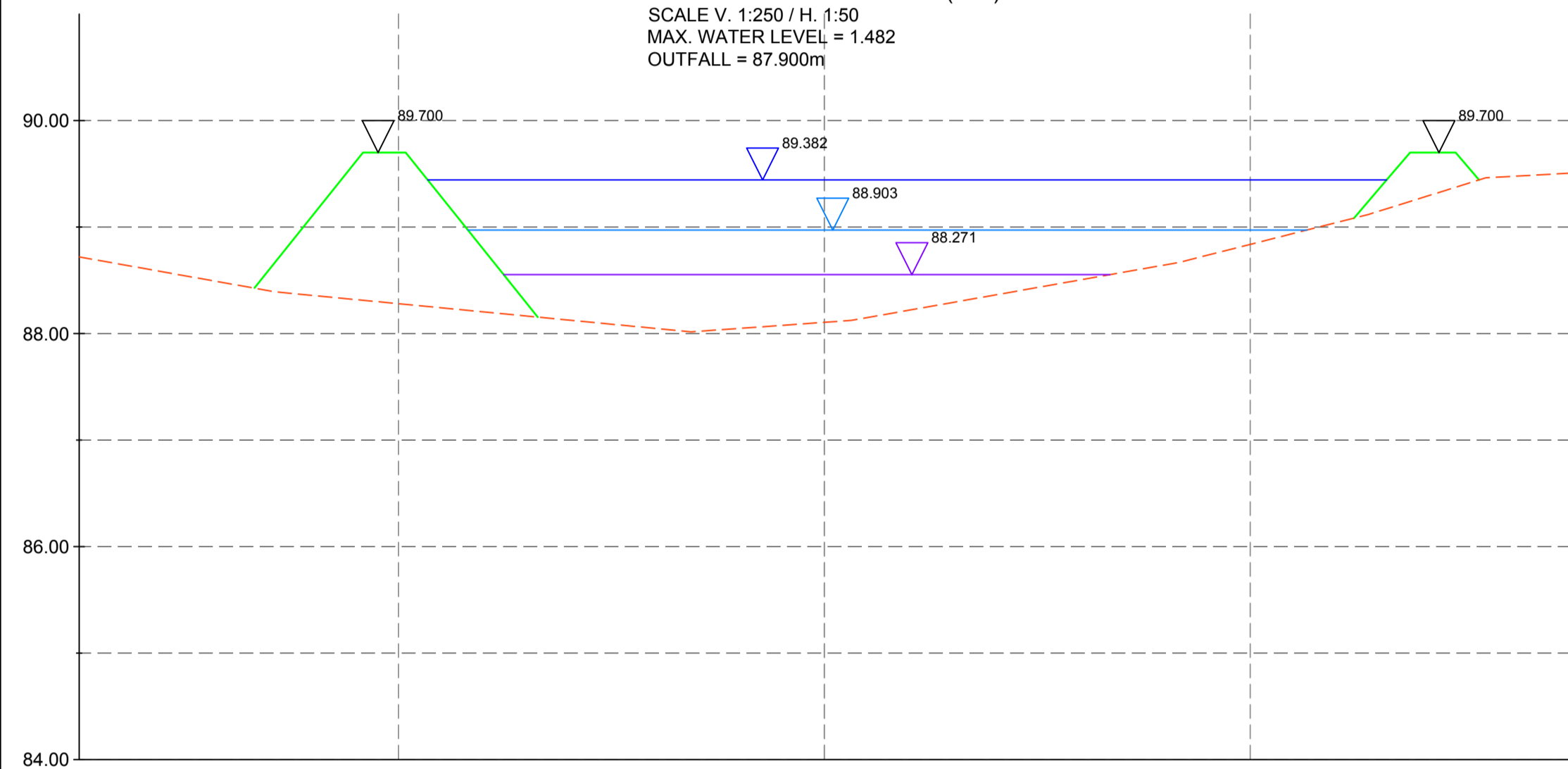


POND 2.1 LONGSECTION (C-C)  
SCALE V. 1:250 / H. 1:50  
MAX. WATER LEVEL = 1.470  
OUTFALL = 87.900m

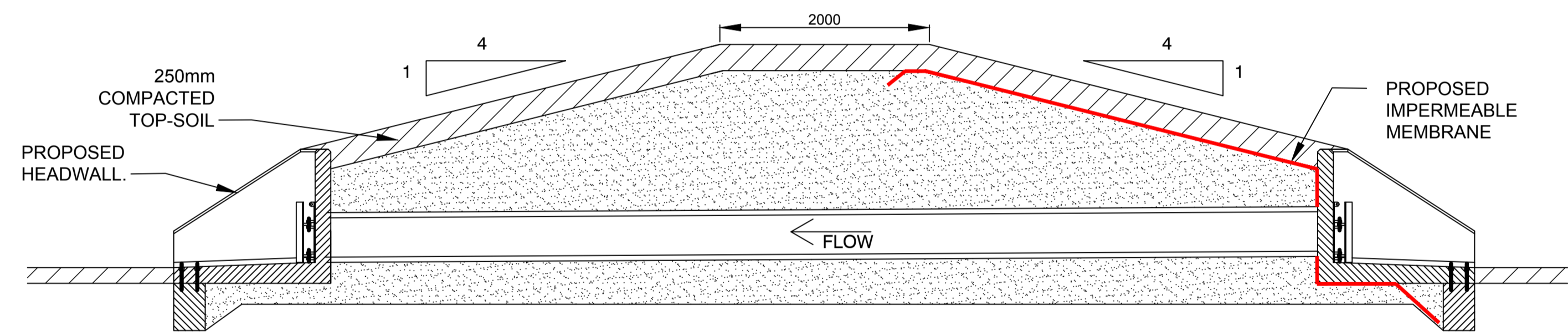


POND 2.1 CROSS SECTION (D-D)  
SCALE V. 1:250 / H. 1:50  
MAX. WATER LEVEL = 1.482  
OUTFALL = 87.900m



- 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)	Q1 in 1		Q1 in 30		Q1 in 100		
Area 2	14.57	38.89	53.70	n/a	1.009	S2.61	89.70	89.90	n/a	Ø375mm Pipe	0	88.271		88.903		89.382		
				n/a	1.012	S2.64	88.50	86.74	n/a	Ø300mm Pipe	0	87.269		87.820		88.159		
				Area 2, Outfall 1	1.016	S2.68 FC	87.40	85.59	FCO2-01	Ø80mm Plate	0	12.20	86.464	26.20	86.932	53.30	87.175	
								FCO2-02	Ø180mm Pipe	1200								
				TOTAL							12.20		26.20		53.30			

TABLE 1 - DISCHARGE DETAILS

Detention Basin 2.1			
Depth(m)	Area(m <sup>2</sup> )	Estimated Volume(m <sup>3</sup> ) (A1+A2)/2 x H	Cumulative Volume(m <sup>3</sup> )
0.150	534.8	80.2	80.2
0.000	6.4	0.0	80.2
0.250	272.3	34.8	115.1
0.500	686.0	119.8	234.8
0.750	1086.0	219.0	453.8
1.000	1490.0	319.5	773.3
1.250	2154.0	485.5	1258.8
1.500	2507.0	592.8	1851.5
TOTAL		1811.5	1811.5

TABLE 2 - DETENTION BASIN 2.1 VOLUME DETAILS

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

**INFORMATION**

CLIENT

PROJECT

**DETENTION BASIN 2.1 DETAILS**

Portland Street, Manchester One, 9th Floor, Manchester, M1 3UF  
Tel +44(0)161 2361018  
Email info.manchester@uk.rdhv.com  
Website www.royalhaskoning.com

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-0551	I01

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