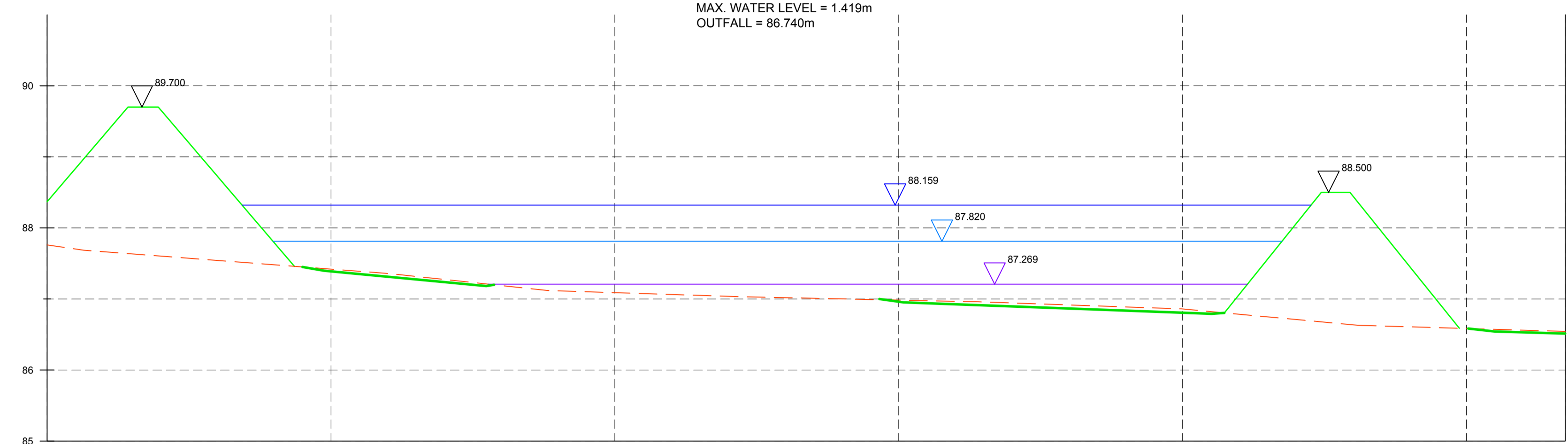
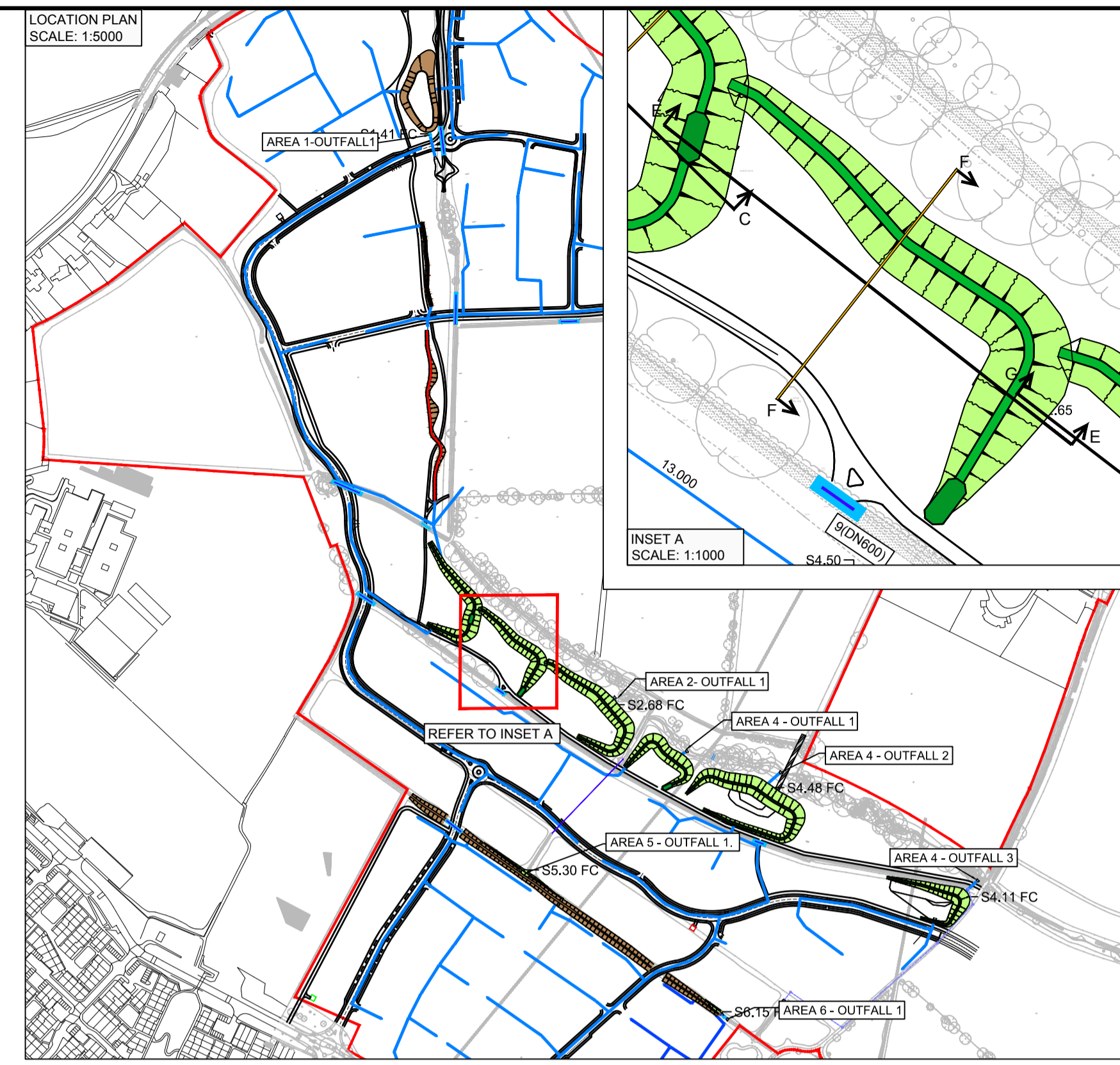
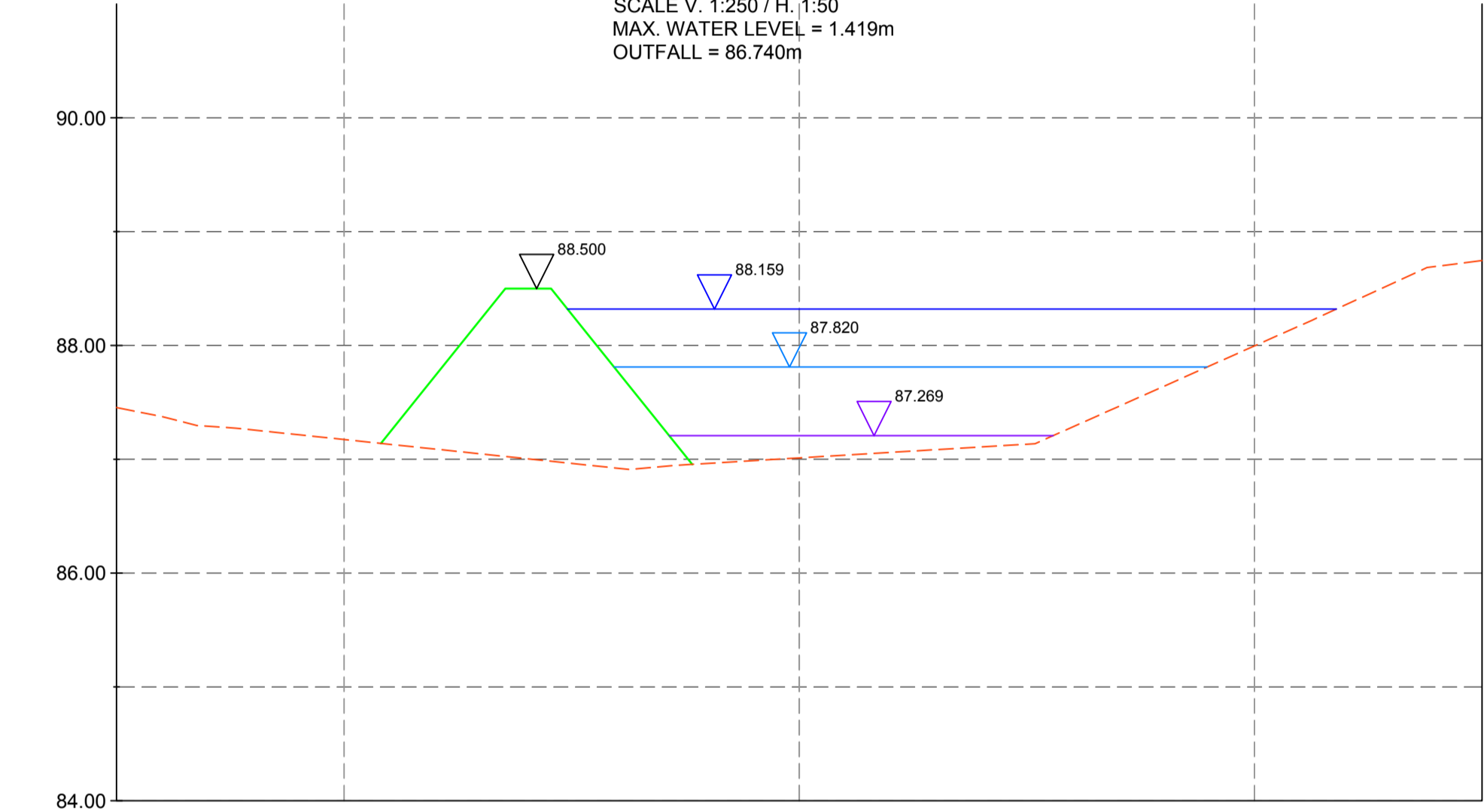


POND 2.2 LONGSECTION (E-E)  
SCALE V. 1:250 / H. 1:50  
MAX. WATER LEVEL = 1.419m  
OUTFALL = 86.740m

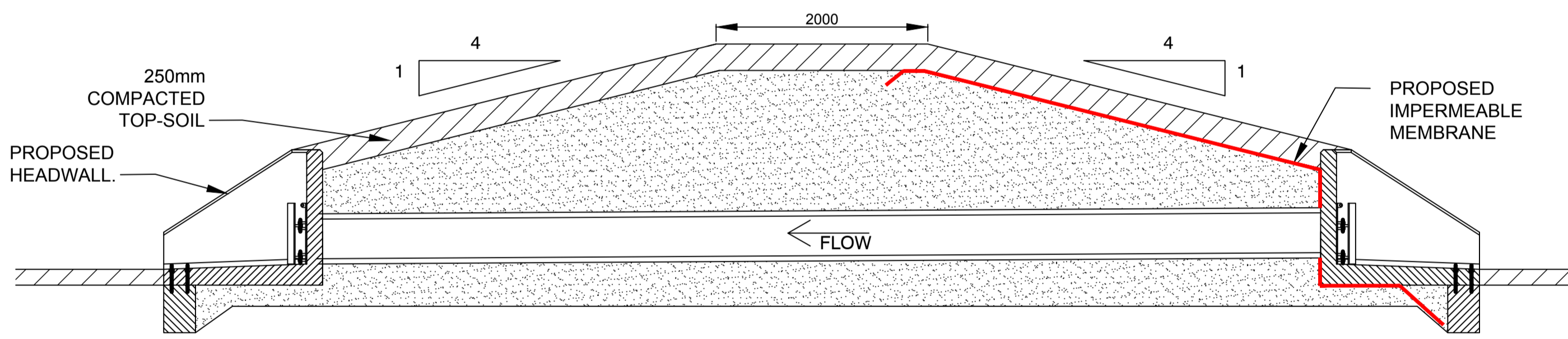


POND 2.2 CROSS SECTION (F-F)  
SCALE V. 1:250 / H. 1:50  
MAX. WATER LEVEL = 1.419m  
OUTFALL = 86.740m



- 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 / OR 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 (H124)			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(m)	Q1 in 1		Q1 in 30		Q1 in 100	
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		88.896		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	FCO2-01	Ø80mm Plate	0	12.20	86.467	26.30	86.933	53.70	87.180
				TOTAL				12.20	26.30		53.70						

TABLE 1 - DISCHARGE DETAILS

Detention Basin 2.2			
Depth(m)	Area(m²)	Estimated Volume(m³) (A1+A2)/2 x H	Cumulative Volume(m³)
-0.150	679.5	101.9	101.9
0.000	1.8	0.0	101.9
0.250	233.9	29.5	131.4
0.500	388.5	77.8	209.2
0.750	612.6	125.1	334.3
1.000	1002.9	201.9	536.2
1.250	2256.3	407.4	943.6
1.500	2714.0	621.3	1564.9
<b>TOTAL</b>		<b>1564.93</b>	<b>1564.9</b>

TABLE 2 - DETENTION BASIN 2.2 VOLUME DETAILS

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

**REVISIONS**

**DRAWING STATUS INFORMATION**

CLIENT



TITLE

**DETENTION BASIN 2.2 DETAILS**

Royal HaskoningDHV  
Enhancing Society Together

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-0552	I01

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