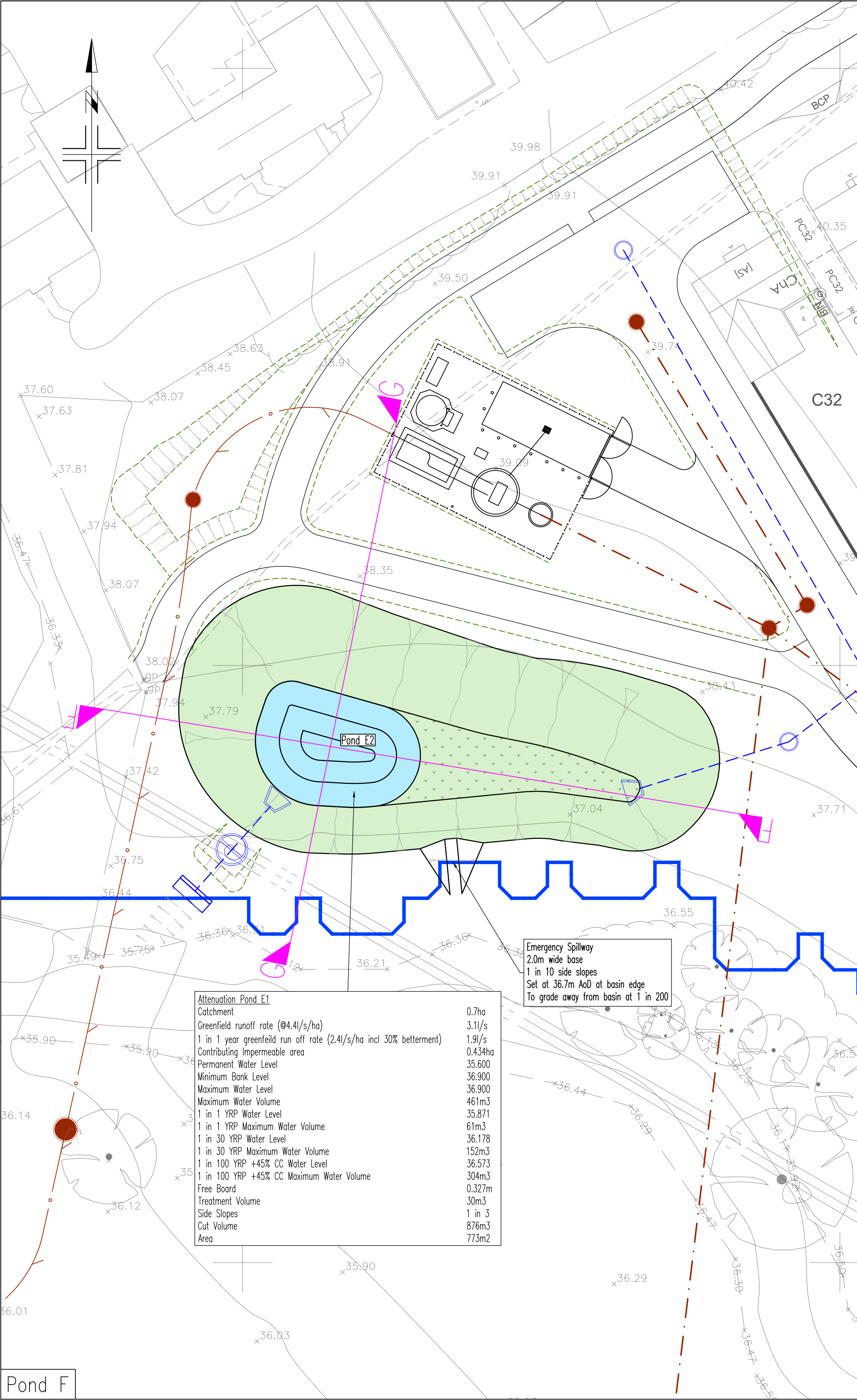
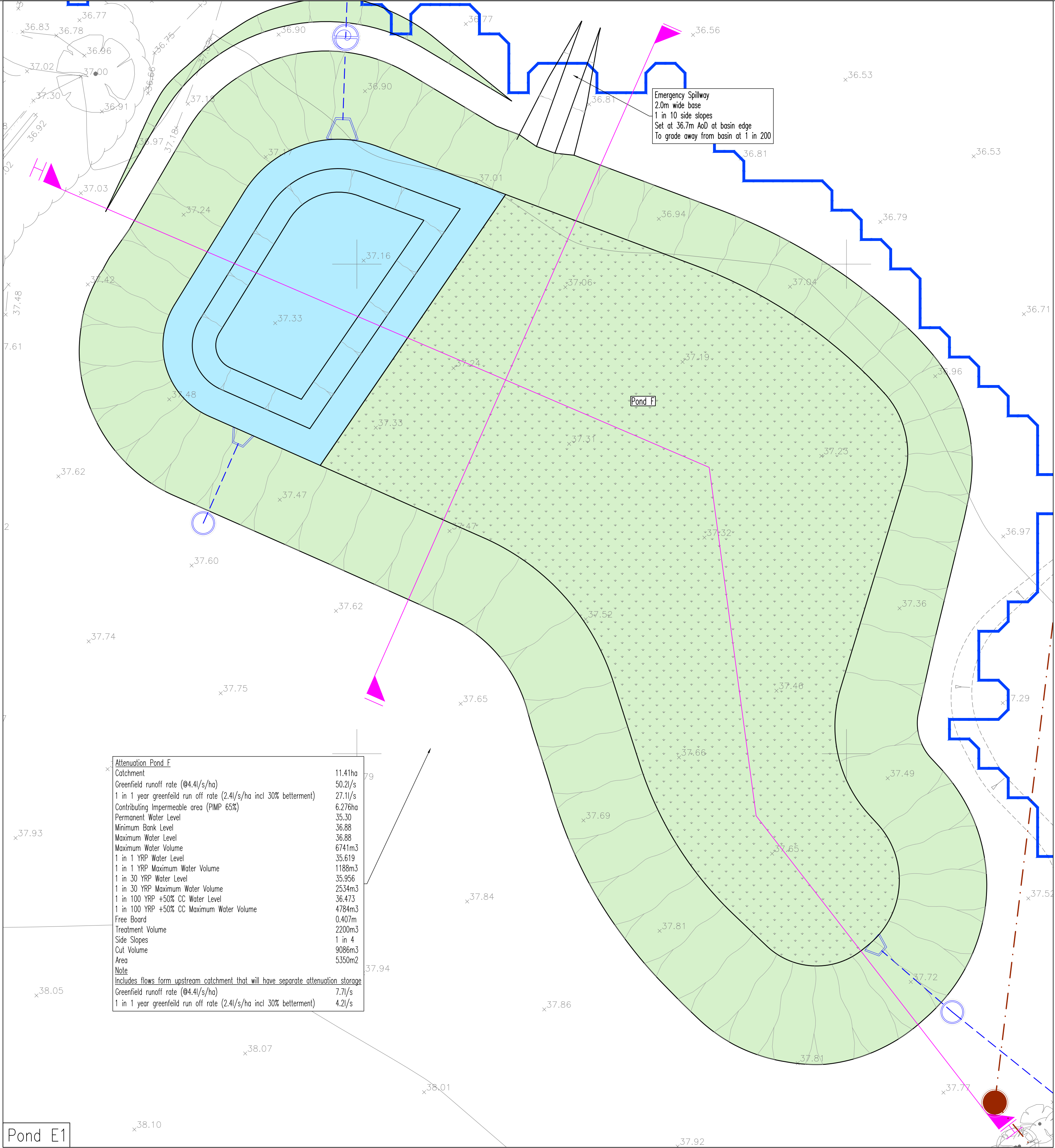
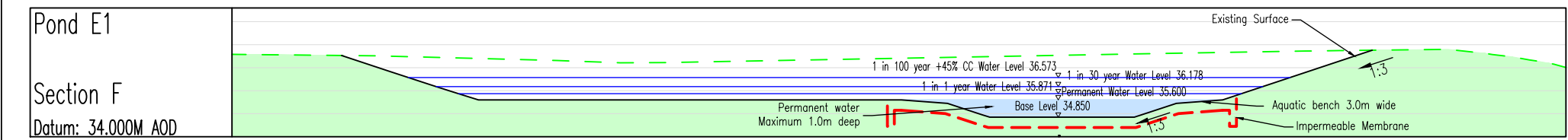
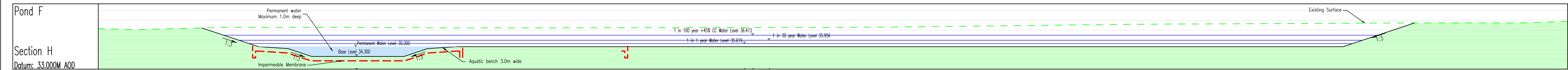
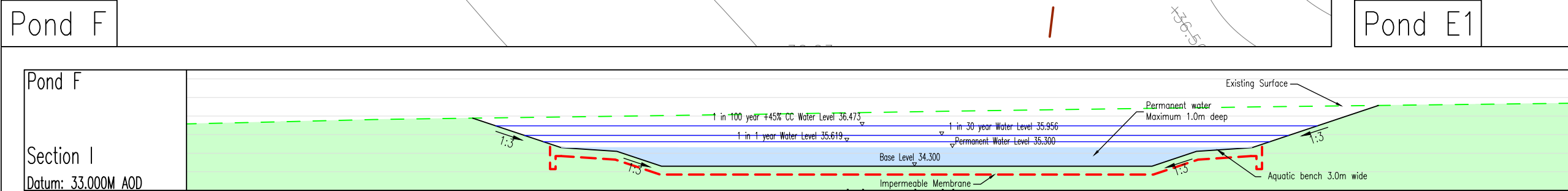


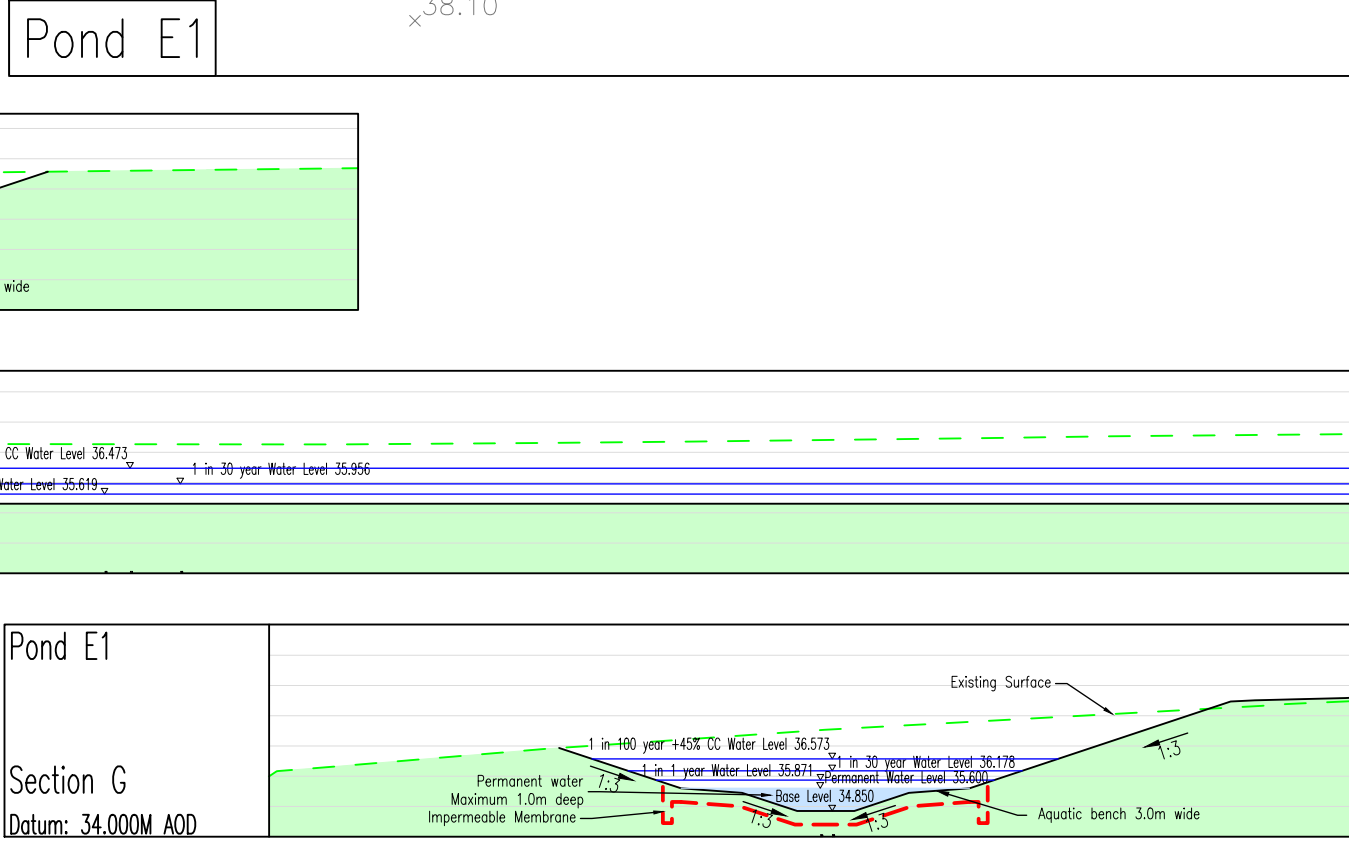


Attenuation Pond E1	
Catchment	0.7ha
Greenfield runoff rate (0.4/s/ha)	3.1/s
1 in 1 year greenfield run off rate (2.4/s/ha incl 30% betterment)	1.9/s
Contributing Impermeable area	0.434ha
Permanent Water Level	35.600
Minimum Bank Level	36.900
Maximum Water Level	36.900
Maximum Water Volume	461m ³
1 in 1 YRP Water Level	35.671
1 in 1 YRP Maximum Water Volume	61m ³
1 in 30 YRP Water Level	36.178
1 in 30 YRP Maximum Water Volume	152m ³
1 in 100 YRP +45% CC Water Level	36.573
1 in 100 YRP +45% CC Maximum Water Volume	304m ³
Free Board	0.327m
Treatment Volume	30m ³
Side Slopes	1 in 3
Cut Volume	876m ³
Area	773m ²

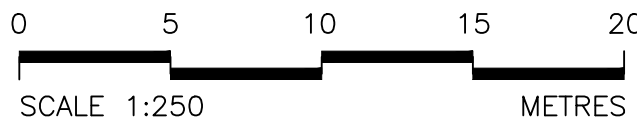
Emergency Spillway
2.0m wide base
1 in 10 side slopes
Set at 36.7m Aod at basin edge
To grade away from basin at 1 in 200



Attenuation Pond F	
Catchment	11.41ha
Greenfield runoff rate (0.4/s/ha)	50.2/s
1 in 1 year greenfield run off rate (2.4/s/ha incl 30% betterment)	27.1/s
Contributing Impermeable area (PIMP 65%)	6.276ha
Permanent Water Level	35.30
Minimum Bank Level	36.88
Maximum Water Level	36.88
Maximum Water Volume	6741m ³
1 in 1 YRP Water Level	35.619
1 in 1 YRP Maximum Water Volume	1188m ³
1 in 30 YRP Water Level	35.956
1 in 30 YRP Maximum Water Volume	2534m ³
1 in 100 YRP +50% CC Water Level	36.473
1 in 100 YRP +50% CC Maximum Water Volume	4784m ³
Free Board	0.407m
Treatment Volume	2200m ³
Side Slopes	1 in 4
Cut Volume	9086m ³
Area	5350m ²
Note	
Includes flows from upstream catchment that will have separate attenuation storage	
Greenfield runoff rate (0.4/s/ha)	7.7/s
1 in 1 year greenfield run off rate (2.4/s/ha incl 30% betterment)	4.2/s



Emergency Spillway
2.0m wide base
1 in 10 side slopes
Set at 36.7m Aod at basin edge
To grade away from basin at 1 in 200



B 05.03.26 Emergency spillway added, pond details shown
A 13.02.26 Area of grassed base added to ponds F
Revisions

Project:	Ashton Park Infrastructure Drainage		
Client:	Persimmon Barratt Redrow Together, we make your home		
Drawing:	Attenuation Ponds E1 and F		
Scale:	Date:	Drawn by:	
1:250 @ A1	JULY 2025	acm	
Drawing No:	566-ID-P-320-01	Rev:	B

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Org Status: **PLANNING**