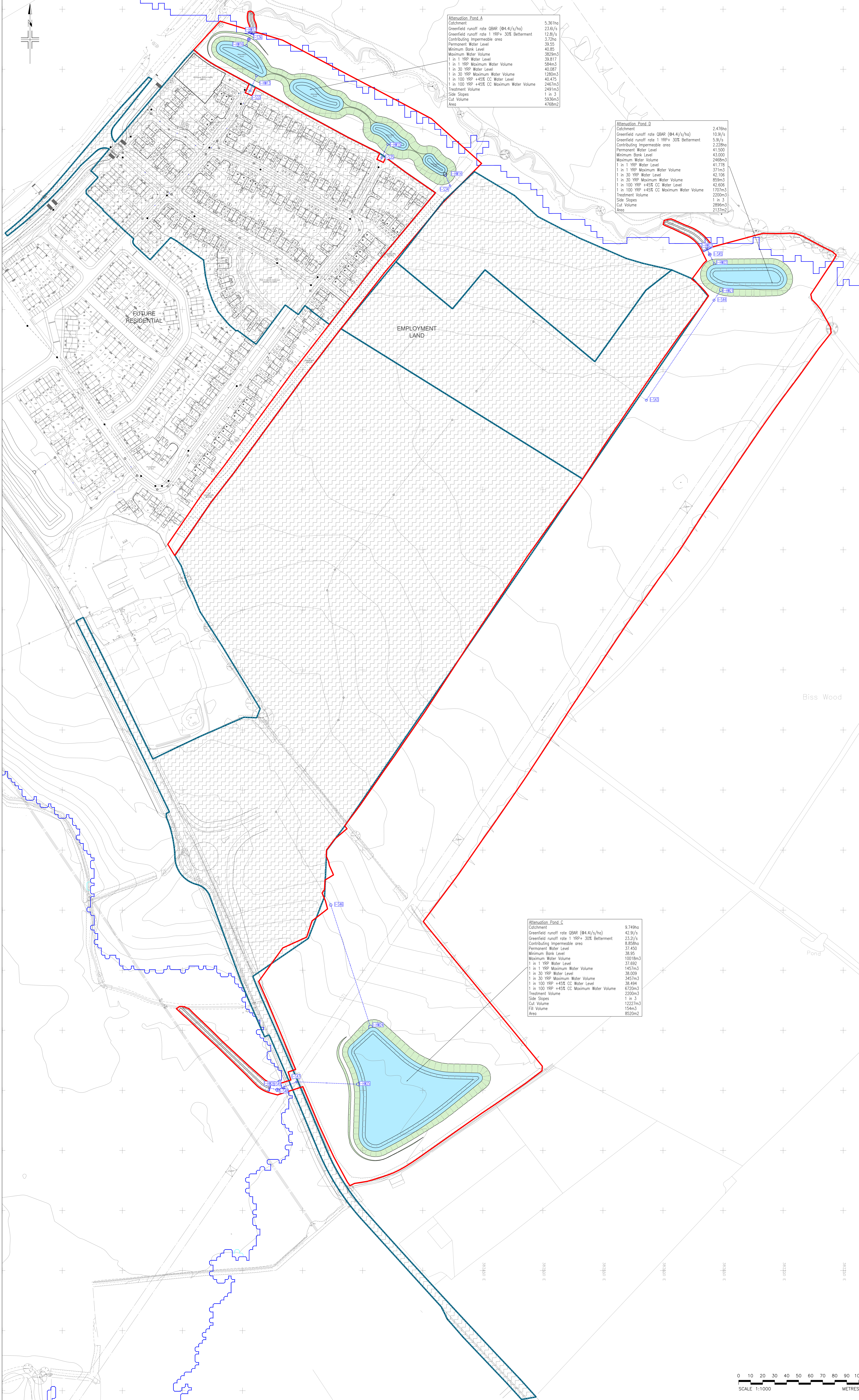




Attenuation Pond A		
Catchment	5.361ha	
Greenfield runoff rate QBAR (84.4/s/ha)	23.6/s	
Greenfield runoff rate 1 YRP+ 30% Betterment	12.8/s	
Contributing Impermeable area	3.72ha	
Permanent Water Level	39.55	
Minimum Bank Level	40.85	
Maximum Water Volume	3929m3	
1 in 1 YRP Water Level	39.817	
1 in 1 YRP Maximum Water Volume	584m3	
1 in 30 YRP Water Level	40.087	
1 in 30 YRP Maximum Water Volume	1280m3	
1 in 100 YRP +45% CC Water Level	40.475	
1 in 100 YRP +45% CC Maximum Water Volume	2467m3	
Treatment Volume	2491m3	
Side Slopes	1 in 3	
Cut Volume	5936m3	
Fill Volume	4768m3	

Attenuation Pond D		
Catchment	2.476ha	
Greenfield runoff rate QBAR (84.4/s/ha)	10.9/s	
Greenfield runoff rate 1 YRP+ 30% Betterment	5.9/s	
Contributing Impermeable area	2.228ha	
Permanent Water Level	41.500	
Minimum Bank Level	43.000	
Maximum Water Volume	2468m3	
1 in 1 YRP Water Level	41.778	
1 in 1 YRP Maximum Water Volume	371m3	
1 in 30 YRP Water Level	42.106	
1 in 30 YRP Maximum Water Volume	859m3	
1 in 100 YRP +45% CC Water Level	42.636	
1 in 100 YRP +45% CC Maximum Water Volume	1707m3	
Treatment Volume	2200m3	
Side Slopes	1 in 3	
Cut Volume	2896m3	
Fill Volume	2137m3	

Attenuation Pond C		
Catchment	9.749ha	
Greenfield runoff rate QBAR (84.4/s/ha)	42.9/s	
Greenfield runoff rate 1 YRP+ 30% Betterment	23.2/s	
Contributing Impermeable area	8.858ha	
Permanent Water Level	37.450	
Minimum Bank Level	38.85	
Maximum Water Volume	10018m3	
1 in 1 YRP Water Level	37.692	
1 in 1 YRP Maximum Water Volume	1457m3	
1 in 30 YRP Water Level	38.009	
1 in 30 YRP Maximum Water Volume	3457m3	
1 in 100 YRP +45% CC Water Level	38.494	
1 in 100 YRP +45% CC Maximum Water Volume	6720m3	
Treatment Volume	2200m3	
Side Slopes	1 in 3	
Cut Volume	12227m3	
Fill Volume	154m3	
Area	8200m2	

Redline Boundary

Flood Zone 3

Surface Water Catchment

Foul Sewer Subject to a Separate Application

Surface Water Sewer Subject to a Separate Application

Proposed Foul Sewer

Proposed Foul Rising Main

Proposed Surface Water Sewer

Proposed Foul Spur

Proposed Surface Water Spur

Pond

Bank Slope 1 in 3

Aggregic Berch (0-0.2m deep)

Permanent Water (max 1.0m deep, 1:3 slopes)

Note

The proposed Drainage System shown is indicative and is subject to the development of the Drainage for the site and also the detailed design in accordance with the appropriate standards and approved from the relevant authorities.

To reduce the size of attenuation features the use of:

- Sewers
- Foul Drains
- Permeable Paving or
- Biosettlement features

may be considered provided the attenuation volumes are maintained in the overall system.

Flows from the development will be restricted to Qbar for all events above the 1 year and up to and including the 100 year event with a 45% allowance for climate change for the 100 year event. 30% betterment has been applied to the 1 year discharge rate.

An allowance of 10% for Urban Creep has been applied to residential curbsides.

GENERAL NOTES

- Do not scale
- The contractor is to check and verify all buildings and site dimensions and levels, including sewer and water levels, before start of work. The contractor is to comply in all respects with the current building regulations, British Standards, Planning Regulations and any other applicable legislation.
- Positions of existing services/structures/vegetation adjacent to or crossing proposed excavations are to be checked by the contractor prior to starting work.
- This drawing is to be read in conjunction with and checked against all other drawings, engineering details, specifications and any planning, environmental or other applicable documents.
- Any anomaly or contradiction between any of the above is to be reported to Phoenix Design.
- This drawing is submitted for planning only. Conditions of sale and conditions may vary on the day.
10. All construction is to be in accordance with the relevant British Standards.
- The construction of attenuation material shall be in accordance with BS5951:1 Clause 9.02 and BS 5951:2.

ROAD AND SEWER ADOPTION NOTES

- As works for adoption under a section 38 agreement shall be carried out in accordance with relevant County Councils requirements and to the approval of the relevant highway authority.
- All works for adoption under a section 38 agreement shall be carried out to the relevant UK document.
- Design criteria shall comply with the relevant British Standards requirements.
- Drainage positions to be agreed on site and agreed by the local authority prior to construction.
- Hand-drawn dimensions shall be used to locate temporary details screens.

B 25.07.25 Pond A revised to suit updated survey. Worklines renumbered

B 23.04.25 updated to suit 30% betterment

Revisions

Project: Ashton Park Ecology

Client:

Drawing: General Arrangement

Scale: 1:1000 @ A0 Date: March 2025 Drawn by: acm

Drawing No: 566-E-P-100 Rev: B

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Dwg Status: PLANNING