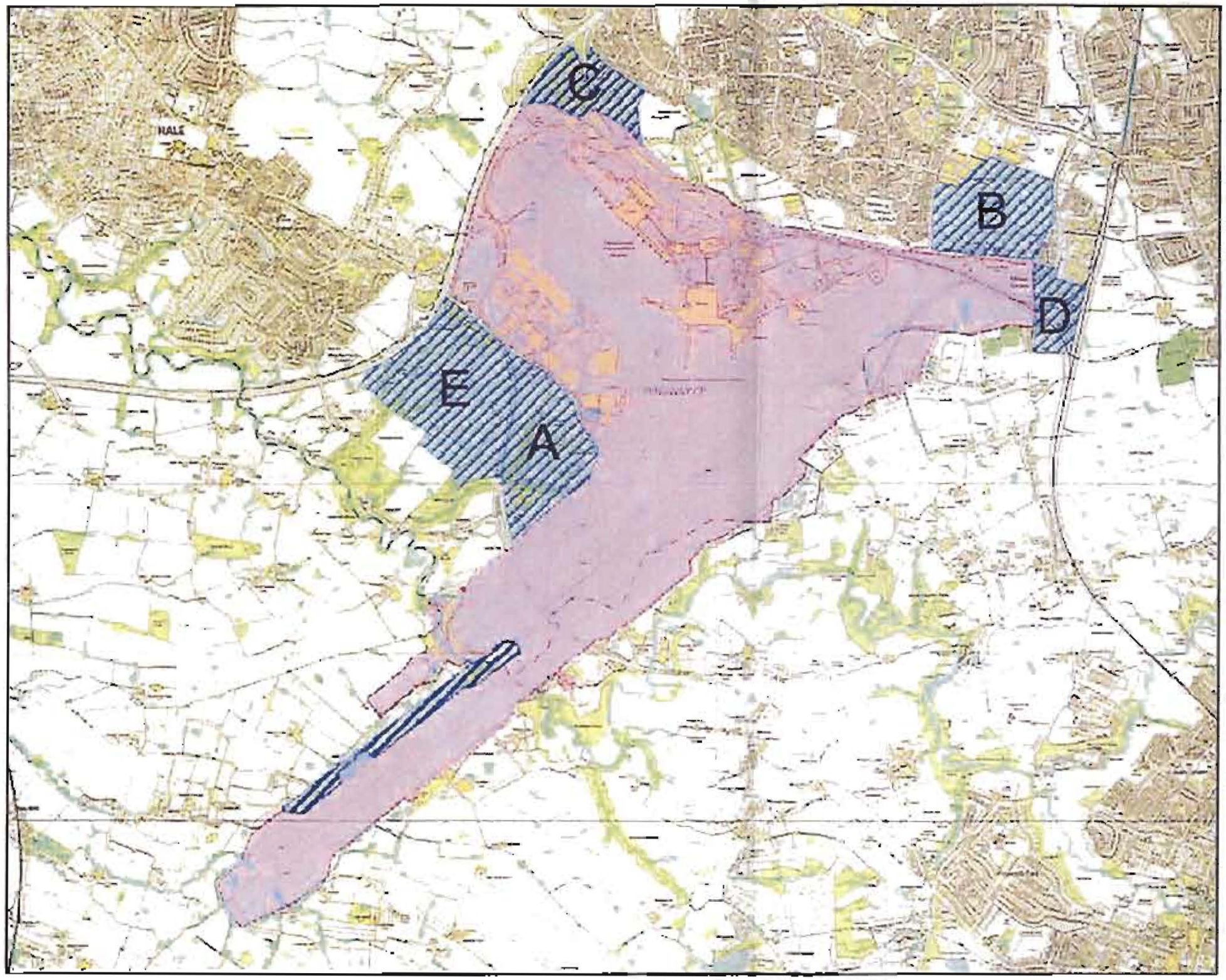

Manchester Airport

Land Use Plan to 2030

Plan 4
Proposed Operational Area Extensions

Legend
Operational Area 2005
Proposed Operational Area 2030

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KEY

- 500m radius from Runger Lane Pond
- 500m radius from Wilkins Lane Receptor site
- Suitable great crested newt habitat within the 500m buffer
- Recent hotel developments at the Runger Lane site
- Great crested newt records: egg search 2004
- River Bollin

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Rev	Description	Drawn	Approved	Date

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Project

Logistics Unit
Amphibian Mitigation Strategy

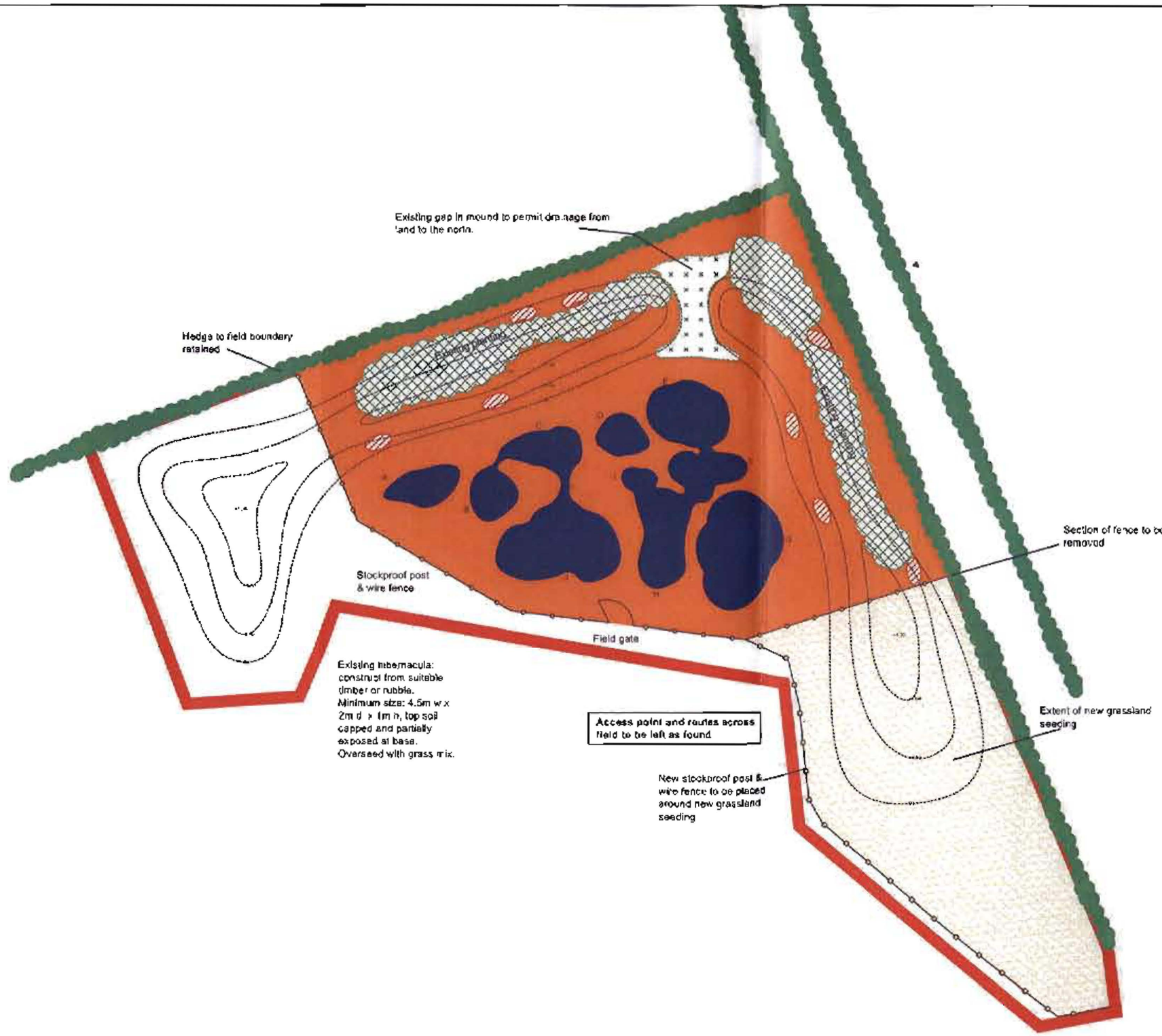
Title

Rungers Lane and Wilkins Lane Amphibian Habitat

Drwg No: D1663.008

Scale	Date
See scale bar	25/04/08

Drawn	Checked	Approved
SMC	TR	FBH



Key

- Planning permission area
- Existing woodland/scrub
- Existing pond
- Existing hedgerow
- Existing hibernacula
- Existing reed planting
- Existing grassland
- Extent of new grassland seeding
- Existing fence
- New fencing

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Rev	Description	Drawn	Approved	Date

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Amphibian Mitigation Strategy

Title

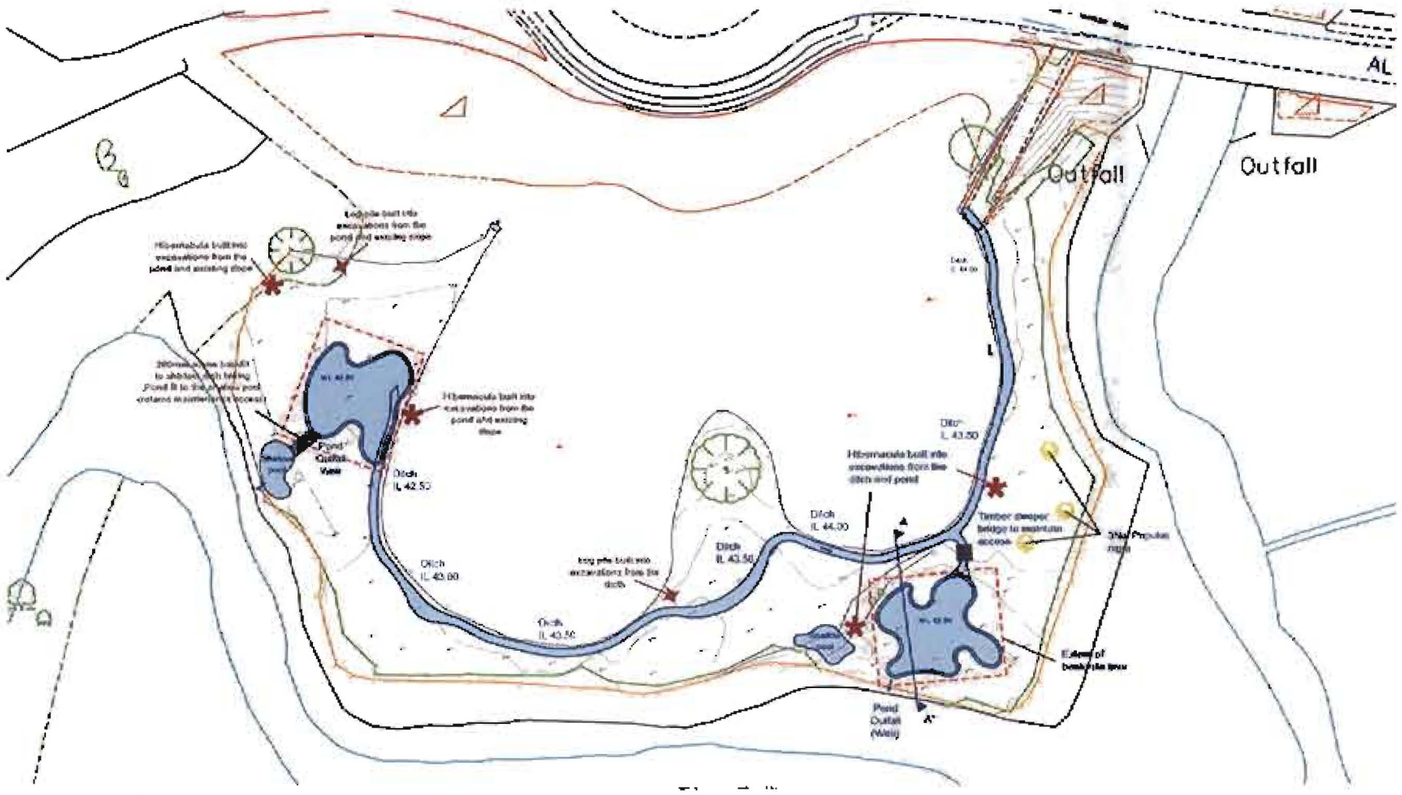
Wilkins Lane Habitat Enhancement

Drwg No
D1663.007

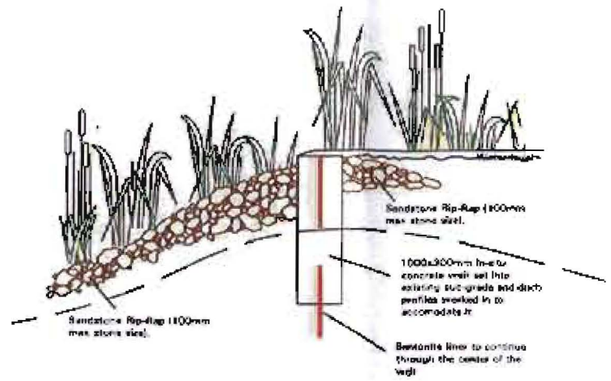
Scale	Date
Not to scale	25/04/08

Drawn	Checked	Approved
SMC	TR	FBH

Site Layout Plan
Scale 1:500



Section through Concrete weir
Scale 1:20



Plant Schedule

3No. Populus nigra (local native source)

Aquatic planting around the edge of the 2 main ponds and a the shallow pools

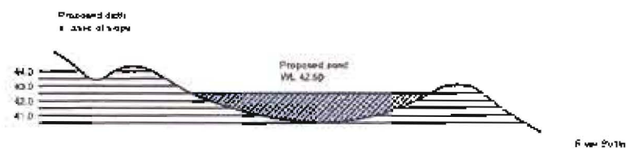
Shallow pools: 3m margin (172 sq.m) @ 6 per sq.m

286 Typha angustifolia
285 Juncus effusus
285 Iris pseudacorus

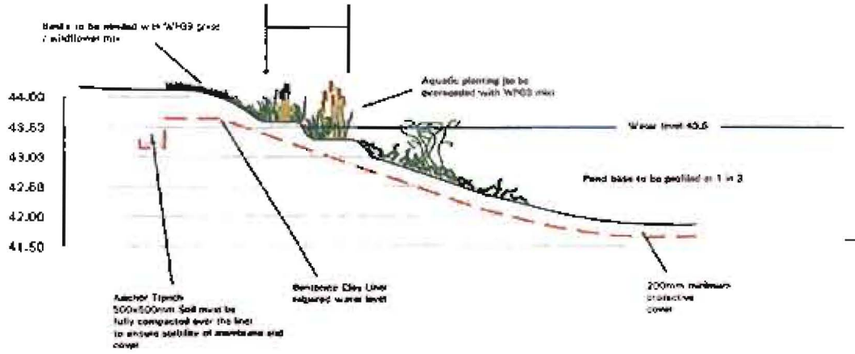
Shallow ponds: 1m margin (167 sq.m) @ 5 per sqm

150 Typha angustifolia
150 Juncus effusus
150 Iris pseudacorus
150 Mentha aquatica
150 Myosotis scorpiodes
100 Glyceria fluitans
60 Potamogeton crispus

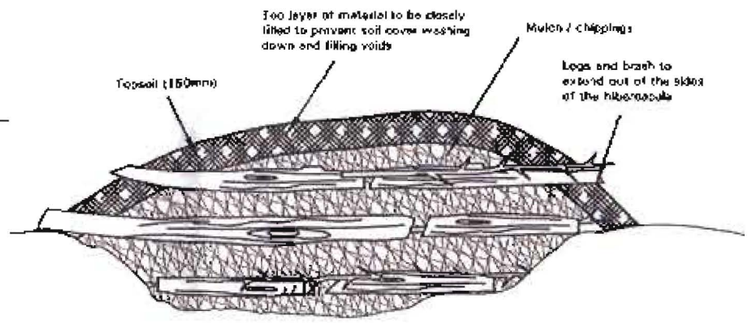
Cross section AA' through pond A and slope
Scale 1:200



Cross section through pond edge
Scale 1:50



Section through hibernacula
Scale 1:20



NOTES FOR HIBERNACULA

- The hibernacula is to be no less than 2m length x 1m width x 1m height.
- Turfs are removed prior to excavation for refuse.
- The hibernacula is to be constructed felled timber / brash and chippings.
- Vertical gaps to be no more than 50% filled with soil / vegetative matter so that voids are created for amphibians.
- Logs to be hand placed, roughly coursed with some logs placed at 45° to the ground and locally found soil / dead leaves / mulch to be placed in 200mm layers between courses.
- The mound is to be covered with 150mm topsoil and turfs.

NOTE:
The implementation of the bentonite liner will not take place if ground conditions are conducive to holding water

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No	Description	Drawn	Approved	Date
A	Bentonite liner note	GDA	FH	6/02/05

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Project

Manchester Airport Transit Unit

Title

Altrincham Road Detailed Design

Drawing No		
D1663.009		
Scale: Various @ A1		Date: 25/02/05
Drawn: GDA	Checked: TR	Approved: FH