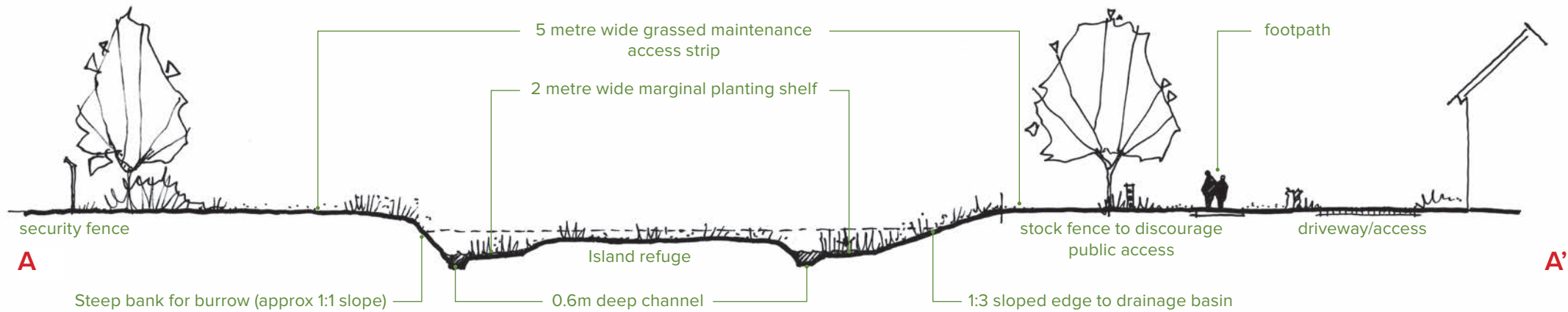


Protected Water Vole Corridor (1:5,000)

Section for which minimum 6.0m width protection zone from edge of watercourse to be provided for water voles



Indicative Cross Section A-A' 1:250 @ A3



Ecological Area (1:1,500)

- 1 Unplanted wet channel (approximately 600mm deep) linking existing watercourse to drainage basins
- 2 Some scrub to be removed from existing watercourse to encourage food plants/marginal vegetation
- 3 Marginal vegetation margins within base of drainage feature. Species to include a mix of graminoids and herbs. Graminoids to include *Phalaris arundinacea* (Reed Canary-grass), *Sparganium erectum* (Branched Bur-reed) and *Carex acutiformis* (Lesser Pond-sedge). Flowering herb species such as *Alisma plantago-aquatica* (Water-plantain), *Butomus umbellatus* (Flowering-rush), *Caltha palustris* (Marsh-marigold), *Filipendula ulmaria* (Meadowsweet), *Iris pseudacorus* (Yellow Iris), *Mentha aquatica* (Water Mint) and *Veronica beccabunga* (Brooklime). Plug planted in groups.
- 4 Island refuge with grassland species mix for wetlands (such as Emosgate EM8) that is tolerant of occasional flooding and requires little management.
- 5 Central pond area lies within the floodplain and will be excavated to form channels and pools. There will be no direct inflow from the watercourse or on site drainage system. Water levels will fluctuate according to ground water levels, weather conditions and flood events. Area to be planted with *Phragmites australis* (Common Reed) and *Schoenoplectus lacustris* (Common Club-rush) which can tolerate fluctuating water levels.
- 6 Steeper (1:1) banks for burrows on south edges of drainage basins (as opposed to general 1:3 slopes elsewhere) sown with grassland species mix for wetlands (such as EM8).



- 7 Stock fence around perimeter provides secure edge to discourage public access and dog walking.
- 8 5 metre amenity grassed access strip around perimeter of drainage features (with gated access).
- 9 Outfall control manhole controls flow between existing watercourse and drainage basins



- Amenity Grass
- Wet grassland edges
- Rough grassland margin
- Scrub/nettles
- Marginal planting
- Permanent water

	-	Rev
DE155_006		Drg No
Bloor Homes		Client
Normandy Fields		Project
Water Vole Habitat Strategy Plan		Title
As Indicated		Scale

Note: These drawings are to illustrate the design principles only and are subject to the findings of further detailed site investigation works as part of the detailed design process