

# THE LONDON RESORT

## The London Resort Development Consent Order

BC080001

### Environmental Statement Volume 3: Figures

#### Figure 12.54 Water Vole Receptor – Design

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Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

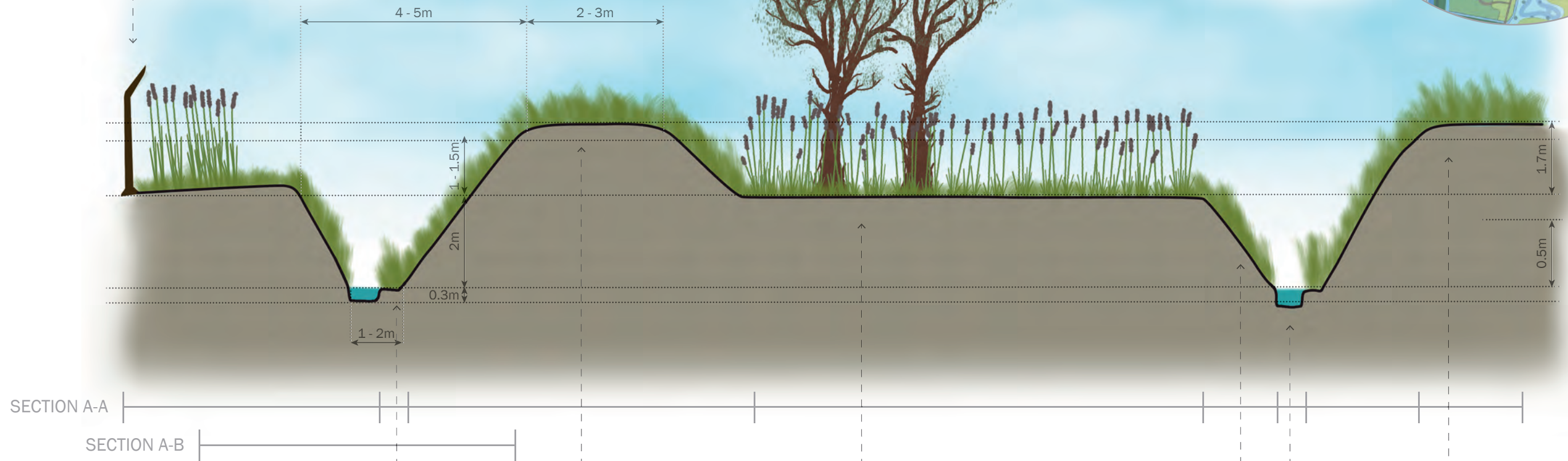
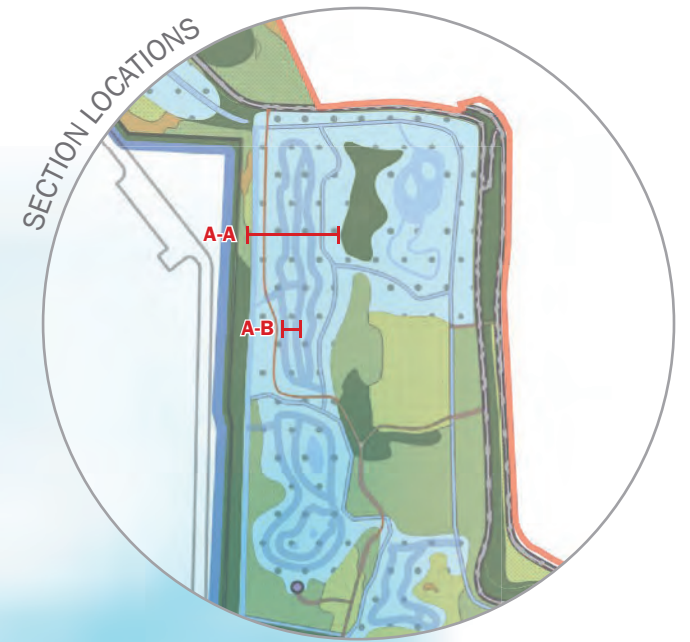
Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Regulation 12(1)

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Water vole exclusion fencing installed around receptor site to prevent colonisation of the receptor area by water vole from the adjacent water course. Fence will be Herpetosure 3mm with 1.7m above ground and 0.5m below ground.



SECTION A-A

SECTION A-B

Shelf created at water level providing wet/permanently damp ground for aquatic planting. Planting will include translocated aquatic vegetation, sourced from the wetter areas of the receptor site and used to provide instant cover, and pre-established coir tiles planted with a water vole friendly mix, installed to increase the diversity of aquatic vegetation. Species to include *Carex rostrata*, *Mentha aquatica*, *Sagittaria sagittifolia*, *Iris pesudarcorus* and *Polygonum amphibium* where available.

Where suitable, existing vegetation present within the receptor site will be carefully removed by Macro Turf, the whole extraction of topsoil and root mat in large curves of 2m x 1m x 100-200mm depth depending on the depth of top soil and root penetration. The excavated works will be stored nearby and translocated back into the receptor site following completion of the ditch network. Vegetation translocated back onto the bank sides and bank tops will provide instant ground cover and suitable habitat for water voles.

Scrub and reedbed allowed to naturally re-establish between the ditch network.

Banksides created at a 45 degree angle to provide water burrow burrowing possibilities whilst maximising the area of bankside vegetation.

Ditch dug to ensure a minimum water depth of c.30cm year round. Small baffles spaced along the water course will retain water in the majority of the receptor site even if other sections naturally drain at a faster rate.

Bund created on the northern or western side of the ditch using spoil from the ditch excavation. The bund will be shaped to provide a varied profile to increase opportunities for other species such as reptile basking.