

Enclosure Fencing

A requirement of the Enclosed Beaver Trial at Green Gates Nature Reserve is that the beavers are kept within the secure enclosure at all times.

The specification of the fencing on site exceeds that used in other enclosed projects throughout the United Kingdom, and has been designed to ensure that the beavers are not able to escape.

The perimeter fencing is 1800mm tall and also acts as our deer exclusion fencing to prevent deer from entering the enclosure. In areas within 10m of water bodies and water courses, cranked brackets have been added to the top of the fence, and an additional 500mm overhang has been added to the fencing to prevent climbing.

The fence is fitted with a ground skirt extending 100mm up the perimeter fence and at least 900mm into the enclosure to prevent the beavers from tunnelling out of the enclosure. The ground skirt is pinned to the floor to prevent it being lifted by the beavers and secured to the upright perimeter fencing with metal hog rings.

In areas adjacent to the watercourses on site and within 10m of the culverts, additional fencing has been buried to a depth of 1500mm to prevent the beavers from burrowing out of the enclosure. In these locations, the ground skirt is connected to the upright fence and the buried fencing, with secure metal hog rings to form a continuous barrier above and below ground.

The fencing has 50mm wide apertures, which are small enough to prevent beavers from getting through.

Culverts are fitted with steel bars spaced 100mm apart to prevent escapes but allow the passage of other wildlife up and downstream. The culverts have concrete block revetments and buried fencing to prevent escapes to the side of the wingwalls.

Access gates are at least 1800mm tall and feature a sheet metal face to prevent climbing. A ground skirt and concrete beam under the gates will prevent beavers from escaping the enclosure in these locations.

Enclosure Fence Layout



-  Fence with ground skirt, burried mesh, and overhang. 400m length (approx)
-  Culvert for watercourse crossings, fitted with 100mm spaced steel bars to prevent escape.
-  Fence with ground skirt (no burried mesh, no overhang. 1,050m length (approx)
-  Enclosure gate (sheet metal to prevent climbing). Min height 1800mm.

Enclosure Fence and Culvert Photographs:





Streamside Fencing Specification.

