

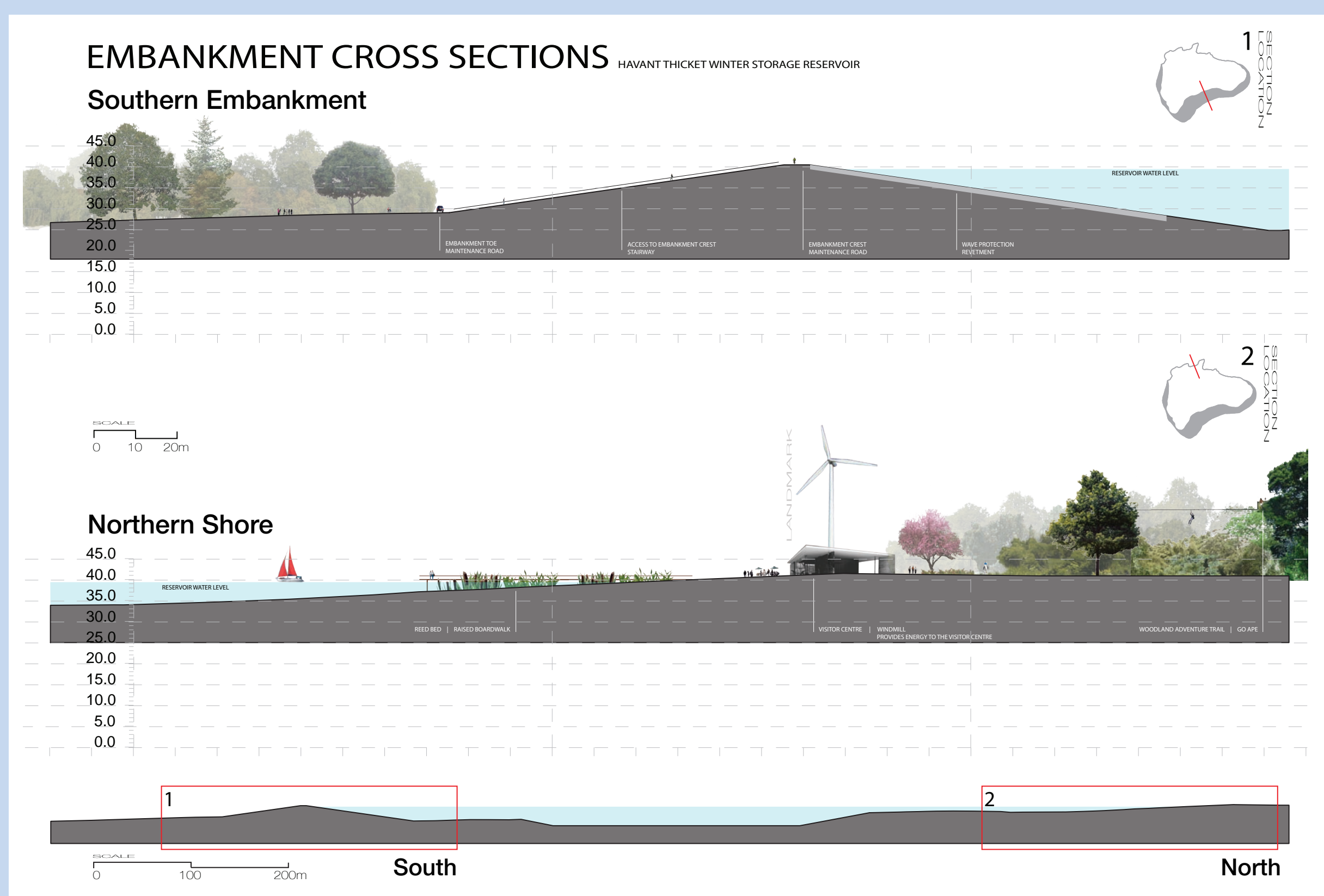
# Havant Thicket Winter Storage Reservoir

## 3 - Technical Requirements of Reservoir

### Embankments

The embankment slopes have been set as 1 vertical to 7 horizontal on both inner and outer faces to maximise stability and enable the embankments to be less obvious in the landscape.

The outer face (away from the water) has to be protected from erosion and damage by all possible users. Grass will be used as trees could damage the engineering integrity and water tightness of the embankment, and shrubs could make inspection difficult.



The inner face of the embankment has to be protected against erosion and damage from wave action. Protection is needed over the whole range of expected water levels and will extend up to the crest of the embankment. The type of protection will be influenced by locally available materials. Recycled aggregates or locally sourced gravel could be used.

### Main Access to Site

Two options are proposed for access to the site; both of them from the north. Whichever option is chosen will serve as both the construction and permanent access for the site.

Comments are sought on the two options both of which provide direct access from the B2149.

- **Option 1** runs through the Forestry Commission land but is shorter.
- **Option 2** is longer but skirts the Forestry Commission site.

The precise alignment for the route that is selected will seek to minimise impacts on areas of ecological importance and will be informed by the findings of the ecological studies which are continuing.

