

Schedule 2 Specification

Cow Ark Project Design Plan



Type	● Gate	○ Ditch Crossing	— Step-pool ditch	— Wetland Overflow
Type	— Banked hedge	— Hedge	— Woodland Fencing	Type
				■ Pond
				■ Wet woodland
				■ Woodland

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 Coordinate System: British National Grid  
 Scale: 1:2,500

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The installation and materials specification for the Gates (RRT – Wooden Field Gate – specification no: 1.3), Woodland Fencing (RRT fencing – stock netting – specification no: 1.0.), Hedge (RRT planting – hedge – specification no: 2.1), and Woodland (RRT Planting – Tree – specification no: 2.0.), will follow the attached specifications.

Species mix for the Hedges and Woodlands will be agreed with the landowner, prior to planting.

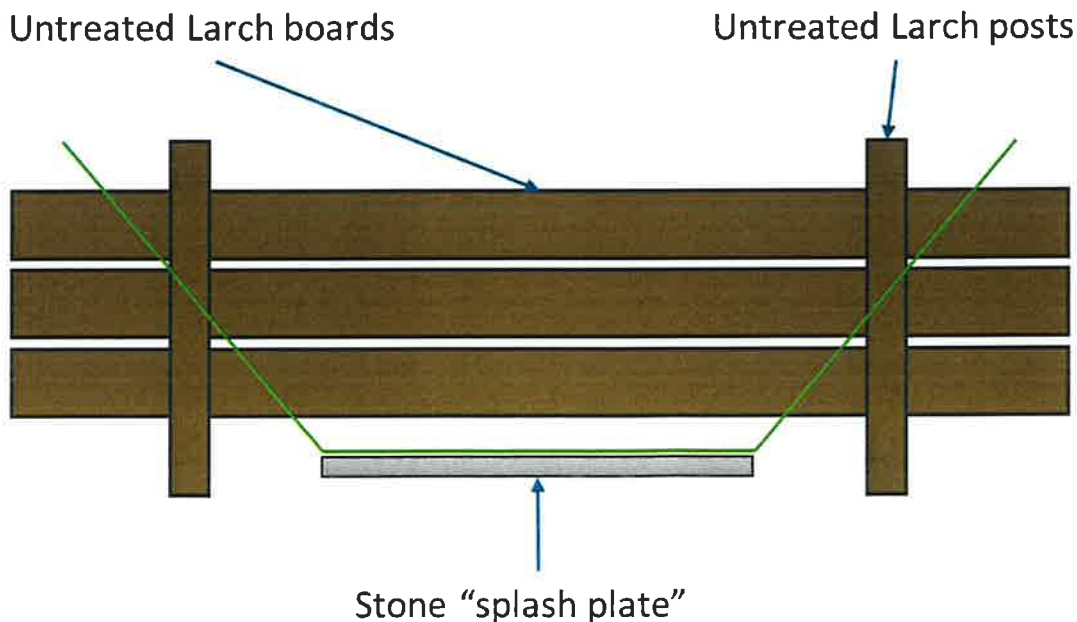
### Banked Hedge Specification

For the Banked Hedge, specification will follow the Hedge Specification for materials and installation, save the Ground Preparation will involve:

- i. turning of the turf upside down,
- ii. excavation of a ditch on the upslope side of the hedge (following attached ditch specification RRT ground works – ditches – specification no: 4.0.)
- iii. a crossing point in ditch to be constructed, using a concrete pipe 300mm (or equivalent) and covered with compacted 100mm to dust to create level crossing.
- iv. excavated materials will be placed on the inverted turf to form a mound
- v. the ditch will run parallel to the hedge to the wet woodland area.

### Step-pool ditch Specification

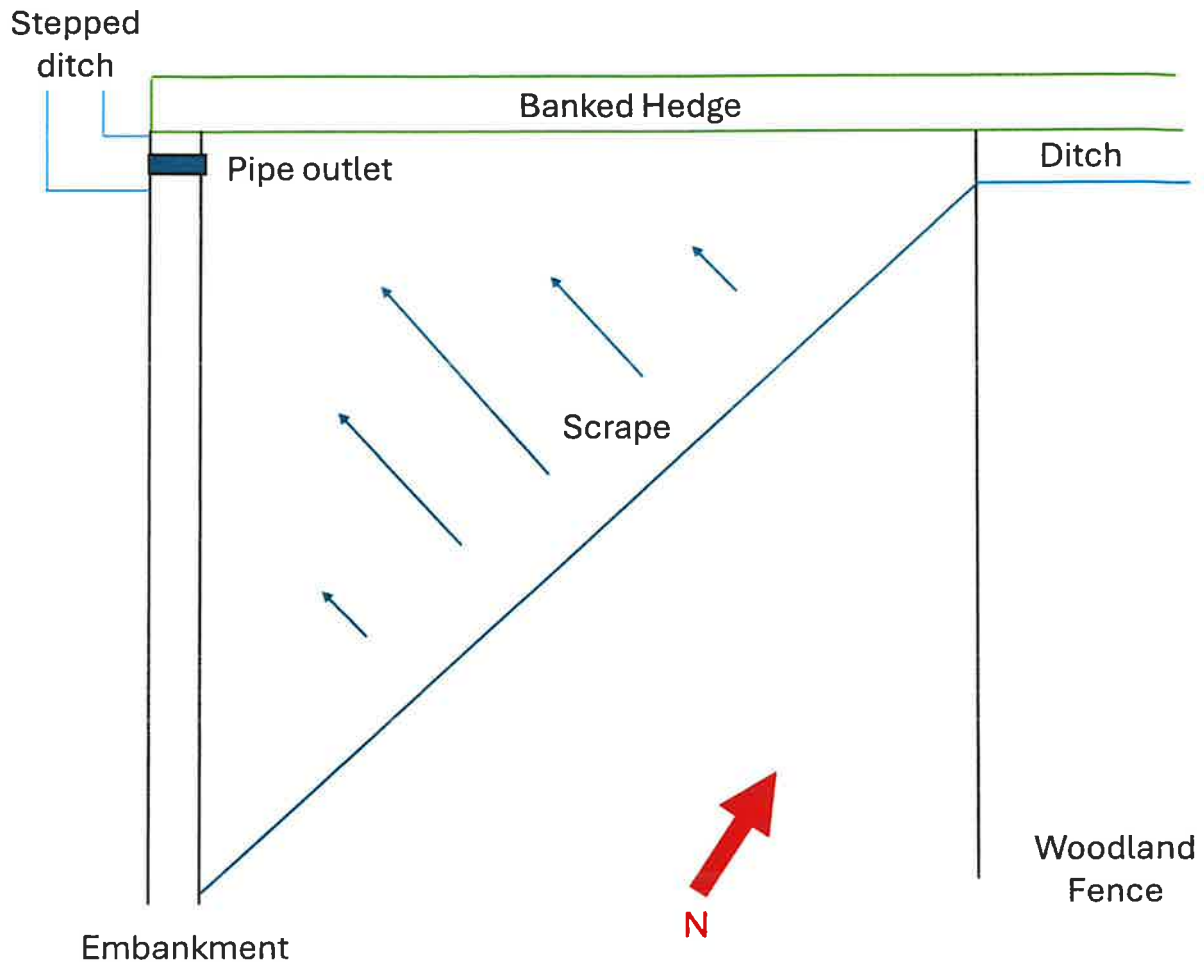
Using the attached ditch specification, create a ditch, and install timber leaky dam structures every 10m as per below:



75mm x 75mm untreated Larch posts driven NLS than 300mm into ground level with top of ditch  
 25mm x 100mm untreated Larch boards bolted to posts and ends embedded into ditch banks, on upslope face of posts  
 20mm gaps between boards.  
 Lowest board 75mm from bottom of ditch  
 Stone "splash plate" installed downstream of boards across full width of ditch base, and 300mm long  
 Dimensions of overall structure subject to any required adaptations of the ditch specification.

### Wet Woodland

To create the area of wet woodland, create a triangular shape at the end of the banked hedge and ditch as below:



- Excavate scrape from woodland fence boundary at 45 degrees.
- Scrape sloped along 45 degree line to corner with stepped ditch
- Invert of pipe outlet to be at projected invert of ditch if extended to that point NGT 300mm below surface level
- Outlet pipe 150mm HDPE or equivalent rigid pipe, connected to stepped ditch.
- Slope of scrape to be such that it is a level slope from 45 degree line to boundaries of banked hedge, embankment and pipe outlet
- Embankment to be made from excavations from scrape, in compacted benches of 150mm
- Alder and willow to be planted at 800 stems per hectare density.