



Key

- Application Boundary
 - Nature Networks and Accessibility Wider Context Boundary
 - - - PPP Boundary
 - Existing woodland - retained and protected
 - Existing trees - retained and protected
 - Native mixed woodland
 - Existing riparian woodland - retained and protected
 - Parkland trees
 - Blossom trees
 - Orchard trees
 - Removed tree
- Woodland Core at 2.0m centres**
- | | |
|--|-----------------------|
| 20% Sessile oak | 10% Hawthorn |
| 7.5% Small leaved lime | 15% Bird cherry |
| 15% Silver birch | 10% Rowan |
| 7.5% Oak | 5% Crab apple |
| 5% Sweet chestnut | 10% Damson |
| 10% Bird cherry | 5% Blackthorn |
| 10% Rowan | 10% Hazel |
| 5% Crab apple | 5% Elder |
| 15% Hazel | 5% Guelder rose |
| 5% Holly | 10% Scotch birch rose |
| 10% Honeylocust (additional; co-planted) | |
- Woodland Edge at 1.25m centres**
- | | |
|-----------------|-----------------------|
| 20% Hawthorn | 20% Hazel |
| 10% Oak | 10% Damson |
| 15% Bird cherry | 10% Rowan |
| 10% Rowan | 5% Crab apple |
| 5% Damson | 5% Blackthorn |
| 10% Hazel | 5% Elder |
| 5% Guelder rose | 10% Scotch birch rose |
- Species**
- | | |
|----------------------------------|---|
| Peer 'Eucalyptus' 'Charitaker' | 12-14cm girth Heavy Standard; 3c, staked and tied |
| Cherry 'Paeu' 'Suisse Boulevard' | 3c, staked and tied |
| Cherry 'Fagus' 'Waterer' | 3c, staked and tied |
| Cherry 'F. Kerria' | 12-14cm girth Heavy Standard; 3c, staked and tied |
- Nursery stock size**
- | |
|---|
| 14-16cm girth Heavy Standard; 3c, staked and tied |
| 14-16cm girth Heavy Standard; 3c, staked and tied |
| 14-16cm girth Heavy Standard; 3c, staked and tied |
| 14-16cm girth Heavy Standard; 3c, staked and tied |
| 14-16cm girth Heavy Standard; 3c, staked and tied |
| 8-10cm girth Light Standard; 3c, staked and tied |
- Establishment maintenance (3 years after planting):** 4 weedings per year; water during dry conditions.
- Blossom trees**
- Blossom trees planted in line alongside the lade as emphasis and strong sense of place. Planting and maintenance as for parkland trees above.
- Species**
- | | |
|----------------------------------|---|
| Peer 'Eucalyptus' 'Charitaker' | 12-14cm girth Heavy Standard; 3c, staked and tied |
| Cherry 'Paeu' 'Suisse Boulevard' | 3c, staked and tied |
| Cherry 'Fagus' 'Waterer' | 3c, staked and tied |
| Cherry 'F. Kerria' | 12-14cm girth Heavy Standard; 3c, staked and tied |
- Establishment maintenance (3 years after planting):** 4 weedings per year; water during dry conditions.
- Orchard trees**
- Apple, pear and damson trees planted in grid within meadow grassland. Harvesting of fruit can in future provide the basis for shared community activities (e.g. CLEAR Methil and Backburn orchard project).
- Ground preparation:** preparatory mow or strimming; herbicide spot treatment.
- Planting:** bare root or container grown nursery stock ready for trees 125-150cm height. Planted in 0.90 x 0.90 x 0.60m pit backfilled with site topsoil with compost and organic slow-release fertilizer. Bark mulch circle.
- Establishment maintenance (3 years after planting):** 4 weedings per year; water during dry conditions.
- M26 or M106 rosebushes** and a blend of pollinator types to ensure all trees can fruit:
- Desert apples - Cox's Orange Pippin, Discovery, Egremont Russet, James Grieve, Spartan
 - Cooking apples - Bramley Seedling, Grenadier
 - Pear - Conference
 - Plum - Victoria, Marymweather Damson

- Native fruiting hedge**
- Mixed native hedgerow to form a dense and robust hedge to provide shelter and food for a variety of birds, invertebrates and mammals. Include a post and wire fence in locations at risk of thorough cutting by people.
- Ground preparation:** preparatory strimming and herbicide treatment to clear ground 1.00m width. Planting: bare-root plants in double staggered rows at 5 per linear metre; bark mulch as a 1.0m wide strip. 1.0m timber post and wire mesh stock fence along the hedge line.
- | Species | Nursery stock size | Planting density |
|------------------|--------------------|-------------------------------------|
| 8% Crab-apple | 60-80cm; BR | Double row at 5 plants per linear m |
| 16% Hazel | 60-80cm; BR | Double row at 5 plants per linear m |
| 20% Beech | 60-80cm; BR | Double row at 5 plants per linear m |
| 20% Hawthorn | 60-80cm; BR | Double row at 5 plants per linear m |
| 20% Field Maple | 60-80cm; BR | Double row at 5 plants per linear m |
| 8% Hornbeam | 60-80cm; BR | Double row at 5 plants per linear m |
| 4% Apple variety | 90-120cm; BR | Individuals at random spacings |
| 4% Damson | 90-120cm; BR | Individuals at random spacings |
- Establishment maintenance (3 years after planting):** 6 weedings along mulch. 1 visit to trim top and face of hedge to line and level, per year. Once established, the hedge will be given to substantial size and maintained with trimming during the dormant season. Allow a tall grass and four fore to develop along the base.
- Lade**
- Reassessment of the historic lade features as linear pond habitats. A continuous narrow pond with marginal shelves of native aquatic vegetation, notched weir overflow into the floodplain swamp.
- Ground preparation:** Excavate lade to depth of 1.20m with marginal shelf to each side. Place excavated soil locally in woodland planting areas. Flexible heavy-duty pond liner with soil cover.
- Planting:** Native wetland plug planting at 7 plants per m² in single species groups of 15-60 plants in intimate drifts, 0.60m margin along both sides of the lade.
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|------------------------|----------------------|
| 25% Reed Canary grass | 35% Yellow flag iris |
| 15% Purple loosestrife | 15% Meadowweet |
| 10% Reed sweet grass | |
- Establishment maintenance (3 years after planting):** 1 plant per 4m of lade, planted in weighted hessian bag. Aquatic submerged native planting at 1 plant per 4m of lade, planted in weighted hessian bag.
- SUDS Pond**
- Designed to store rainwater following rainfall and discharge it slowly into the lade. It will have fluctuating water level according to season, with standing water for majority of the year and permanently saturated soil.
- Ground preparation:** Excavate to max 1.50m depth with marginal shelf; place excavated soil locally in woodland planting areas, spread to 250mm depth. 1:4 slope along pond edges; marginal shelf 2.0m width surrounding the pond. Flexible heavy-duty pond liner with soil cover.
- Planting:** Native wetland plug planting at 7 plants per m² in single species groups of 15-60 plants in intimate drifts, on the pond marginal shelf:
- | | |
|------------------------|----------------------|
| 25% Reed Canary grass | 35% Yellow flag iris |
| 15% Purple loosestrife | 15% Meadowweet |
| 10% Reed sweet grass | |
- Establishment maintenance (3 years after planting):** 1 plant per 4m² of area, planted in weighted hessian bag. Aquatic submerged native planting at 1 plant per 4m² of area, planted in weighted hessian bag.

- Swamp**
- Swamp habitat of tall emergent reed vegetation growing in standing water.
- Site clearance:** Full mixed planted broadleaved trees; create habitat log piles within adjacent retained woodland. Willow trees to be retained.
- Ground preparation:** scrape topsoil to 300-450mm depth. Deposit the arisings locally within plough furrows and ditches of the retained riparian woodlands to improve their appearance and retard drainage.
- Planting:** Native provenance wetland plugs planted in drifts around the edge of the scrapes to cover 50% of the area. Single species groups of 15-60 plants, in intimate drifts.
- | Species | Nursery stock size | Planting density |
|-----------------------|--------------------|--|
| 75% Reed Canary-grass | 175mm plug | 7 plants per m ² |
| 20% Yellow flag iris | 175mm plug | 7 plants per m ² |
| 5% Marsh marigold | 175mm plug | 7 plants per m ² ; outer margin |
- Establishment maintenance (3 years after planting):** Clearance of litter and debris. Leave deadwood where it falls. Cut reeds periodically (3 years) to prevent woodland succession.
- SUDS Swale**
- To receive run-off water, slow and treat the discharge into the existing drainage network; swales will usually be dry but will temporarily fill after heavy rainfall, then drain down slowly. Wet meadow to slow and filter water.
- Ground preparation:** Excavate swale, place excavated soil locally in woodland planting areas, spread to 150mm depth. Topsoil finish, using excavated soil.
- Planting:** Native wetland plug planting at 7 plants per m² in single species groups of 15-60 plants in intimate drifts, 0.60m margin along both sides of the lade.
- | | |
|------------------------|----------------------|
| 25% Reed Canary grass | 35% Yellow flag iris |
| 15% Purple loosestrife | 15% Meadowweet |
| 10% Reed sweet grass | |
- Establishment maintenance (3 years after planting):** Cut the sward to remove annual weeds (if autumn-sown avoid cutting until late summer); remove arisings. Remove pernicious weeds (if autumn-sown avoid cutting until late summer); remove arisings. Remove pernicious weeds.
- Meadow grassland**
- Established on less fertile topsoil, to aid slower establishment and greater sward diversity.
- Ground preparation:** scrape topsoil to 150mm depth; deposit topsoil locally within nearby woodland planting areas spread evenly to 150mm depth. Areas of existing suitable meadow sward will be retained and protected; other areas herbicide kill then cultivated and seeded with Scotia Seeds Moxbank Meadow Mix sown at 5g per m². Native wetland plug planting at 7 plants per m² to a 1.0m wide strip along the swale centrelines.
- Establishment maintenance (year 1):** 3 cuts to 50mm once it reaches 100mm height, to suppress annual weeds (unless autumn-sown, in which case avoid cutting until late summer); remove arisings for compost. Remove pernicious weeds.
- Tall grassland**
- Existing sward grassland retained and maintained as currently.
- Amenity grassland**
- Existing sward grassland retained and maintained as currently.
- Boardwalk path and dipping platform**
- Recycled plastic boardwalk with ground screw foundations. Refer to details.
- Natural play features**
- A range of robust elements scattered along routes and through the diverse habitats. These include concrete animals, logs, boulders and stepping stones, woven willow arches and woven laurels. Refer to details.
- Seat**
- Recycled plastic seat. Refer to details.
- Litter bin**
- Galvanneal and powder coated litter and dog waste bin. Refer to details.
- Culvert**
- 300mm pipe culvert with stone headwalls.
- Culvert with cascade**
- Overflow weir plate with boulder lined cascade. See section details.
- Mown paths**
- Mown grass path with verge swales where required.
- Surfaced paths**
- Constructed under River Park Routes. See application: 23/02125/PPP
- Lade bridge**
- Timber footbridge. Refer to details.