



KEY

- Site Boundary
- Existing Trees and Vegetation
- Emorsgate EP1-Pond Edge Mixture or similar approved
- Emorsgate EM10-Tussock Mixture or similar approved
- Proposed Native Scrub/Woodland Mix
- Proposed Post and Wire Fencing
- Proposed aquatic planting

LANDSCAPE SPECIFICATION

Native Scrub/Woodland Mix
The following (taller growing) species are to be planted at the top of the bunds for maximum screening effect: A.g - Alnus glutinosa; B.p - Betula pubescens; Q.p - Quercus petraea; Q.ro - Quercus robur; and S.au - Sorbus aucuparia.
Individual pits shall be dug to a minimum of 450mm x 450mm x 300mm depth the base of which shall be broken up before returning the approved topsoil backfill mixture to the trench at the rate of one part compost to two parts topsoil. All stock shall be planted to the root collar and well firmed in place. After planting a 50mm layer of approved compost fine bark (nominal size 1-10mm) shall be spread over each pit (1m wide). On completion all plants shall be thoroughly watered in. Areas to be protected from rabbit damage by rabbit proof fencing or individual sprigs/shrub guards, as appropriate. Plants to be planted at 1m centres. Species to be planted in an evenly spaced but irregular pattern (i.e. no grids or lines) in single species groups with approximately 3-7 plants per group.

Tussock Grass Mix
Following construction and immediately prior to seeding, remove any unwanted vegetation growth within the fields by scraping the surface to a depth of 150mm. The ground shall then be thoroughly broken up and cultivated and fine graded to even running falls before raking and cross raking. Proposed Emorsgate EM10 - Tussock Mixture, or similar approved shall be sown in accordance with good practice.

Seeding will take place in September to allow establishment prior to winter and reduce seed loss to birds. If soils and seed bed have been prepared before September, any weed growth that has established in the meantime will be sprayed off with glyphosate and a seedbed be re-prepared. Seed shall be broadcast by approved lightweight machinery. Following seeding the area will be subject to rolling to incorporate the seed with the growing substrate.

Attenuation Basin Grass Mix
Prepare ground as above (Tussock Grass Mix), proposed Emorsgate EP1 - Pond Edge Mixture, or similar approved, shall be sown in accordance with good practice on the banks of the attenuation basin.

Seeding will take place in September to allow establishment prior to winter and reduce seed loss to birds. If soils and seed bed have been prepared before September, any weed growth that has established in the meantime will be sprayed off with glyphosate and a seedbed be re-prepared. Seed shall be broadcast by approved lightweight machinery. Following seeding the area will be subject to rolling to incorporate the seed with the growing substrate.

Aquatic planting
To be planted relative to confirmed permanent water level, at depths identified in Planting Schedule.
Keep plants watered and in shade until planted and do not allow to dry out. Planting shall be into the existing subsoil or within aquatic baskets where appropriate for the plant species. Remove stones and roots over 5mm in any dimension from subsoil.
Subsoil shall be nutrient poor and with no fertiliser or herbicide added. The marginal aquatic planting should flow informally and naturally around the permanent open water areas, following the benches of the basin profile.

- ### PROGRAMME
- All bare root planting to be undertaken during the planting season November - March. (All ground cultivations to be undertaken under suitable conditions).
 - Seeding works and cultivation to be undertaken in the late summer to mid autumn or mid spring.
 - Any replacement planting required during the initial maintenance period is to be undertaken during the planting season (November to March).

MAINTENANCE

Native Scrub/Woodland Mix
All planting stock shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All planted areas shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. Any plants that fail to thrive shall be replaced with stock to the original specification. All plant stations to be watered to field capacity during periods of extended drought. Any plants that fail to thrive shall be replaced with stock to the original specification.

Tussock Grass Mix & Pond Edge Grass Mix
Areas of grassland should be allowed to grow to full height and be cut once a year at the end of August or managed by grazing. Any unwanted weeds should be removed by hand or spot-sprayed with a suitable herbicide during the spring and summer months.

Aquatic Planting
Remove any rubbish and scum, including weeds and litter, including adjacent to inlets and outlets. Cut down and remove dead flower stems, leaves or diseased plant as and when they are evident. Fallen leaves shall be removed from planting areas. Thin out/remove dominant species as necessary.

- ### NOTES
- Bare root plants specified for planting during planting season only (i.e. winter months).
 - No cultivation should be undertaken in wet/waterlogged conditions or after heavy frosts.
 - Imported topsoil to accord with BS3882.
 - Supplying nurseries shall be registered under the HTA Nursery Certification Scheme, and plant material should be of certified British provenance.
 - All plants shall be packed and transported in accordance with the Code of Practice for plant handling as Published by The Committee for Plant Supply and Establishment (CPSE).
 - All plant material to conform with BS:3936 and BS:4428.
 - Planting operations to be undertaken during appropriate climatic conditions to avoid wet/waterlogged or frost bound soil conditions, frosts, droughts or during periods of excessive cold drying winds.

PLANT SCHEDULE

ID	Qty	Species	%	Size (girth and height)
A.g.	639	Alnus glutinosa	10	60-80cm ht, B, 1+1, transplant, seed-raised
B.p.	639	Betula pubescens	10	60-80cm ht, B, 1+1, transplant, seed-raised
C.a.	448	Corylus avellana	7	60-80cm ht, B, 1+2, transplant, seed-raised, branched, 3 breaks
Cr.m	320	Crateagus monogyna	5	60-90cm, 1+1, B
Il.a	320	Ilex aquifolium	5	60-80cm ht, 3L, leader with laterals
Q.p.	959	Quercus petraea	15	60-80cm ht, B, 1+1, transplant, seed-raised
Q.ro.	1597	Quercus robur	25	60-80cm ht, B, 1+1, transplant, seed-raised
S.c.	320	Salix caprea	5	60-80cm ht, 3L, cutting, branched, 4 breaks
S.n	511	Sambucus nigra	8	60-80cm, B, 1+1, Transplant - seed raised, branched, 3 breaks
S.au.	639	Sorbus aucuparia	10	60-80cm ht, B, 1+1, transplant, seed-raised

ID	Qty	Species	Density (l/m2)	Size	%
B.um	115	Butomus umbellatus	4	7cm plug	10
C.pa	139	Caltha palustris	4	7cm plug	12
I.ps	58	Iris pseudacorus	4	7cm plug	5
L.f.c	139	Lychnis flos-cuculi	4	7cm plug	12
L.sa	139	Lythrum salicaria	4	7cm plug	12
My.sc	139	Myosotis scorpioides	4	7cm plug	12
R.fl	139	Ranunculus flammula	4	7cm plug	12
S.p	139	Stachys palustris	4	7cm plug	12
V.b	150	Veronica beccabunga	4	7cm plug	13

ID	Qty	Species	Density (l/m2)	Size	%
a.p.a	90	Alisma plantago-aquatica	3	9cm	20
C.s	46	Callitriche stagnalis	3	7cm plug	10
E.a	90	Eleocharis acicularis	3	9cm	20
H.v	46	Hippuris vulgaris	3	9cm	10
H.p	22	Hottonia Palustris	3	9cm	5
R.a	68	Ranunculus Aquatilis	3	9cm	15
S.e	90	Sparganium erectum	3	9cm	20

Detailed Landscape Proposals

Land East of Thinford, Durham

Client: RES Ltd
 DRWG No: P21-2770.003 REV: F
 Drawn by: TH Approved by: HS
 Date: 16/12/21
 Scale: 1:500 @ A1

Rev	Date	By	Note
F	09.06.22	LB	Amendments to planting palette
E	26.04.22	SE	Minor amendment
D	08.04.22	VR	Layout changes
C	10.01.22	TH	Minor amendment
A/B	17.12.21	TH	Updated Layout

