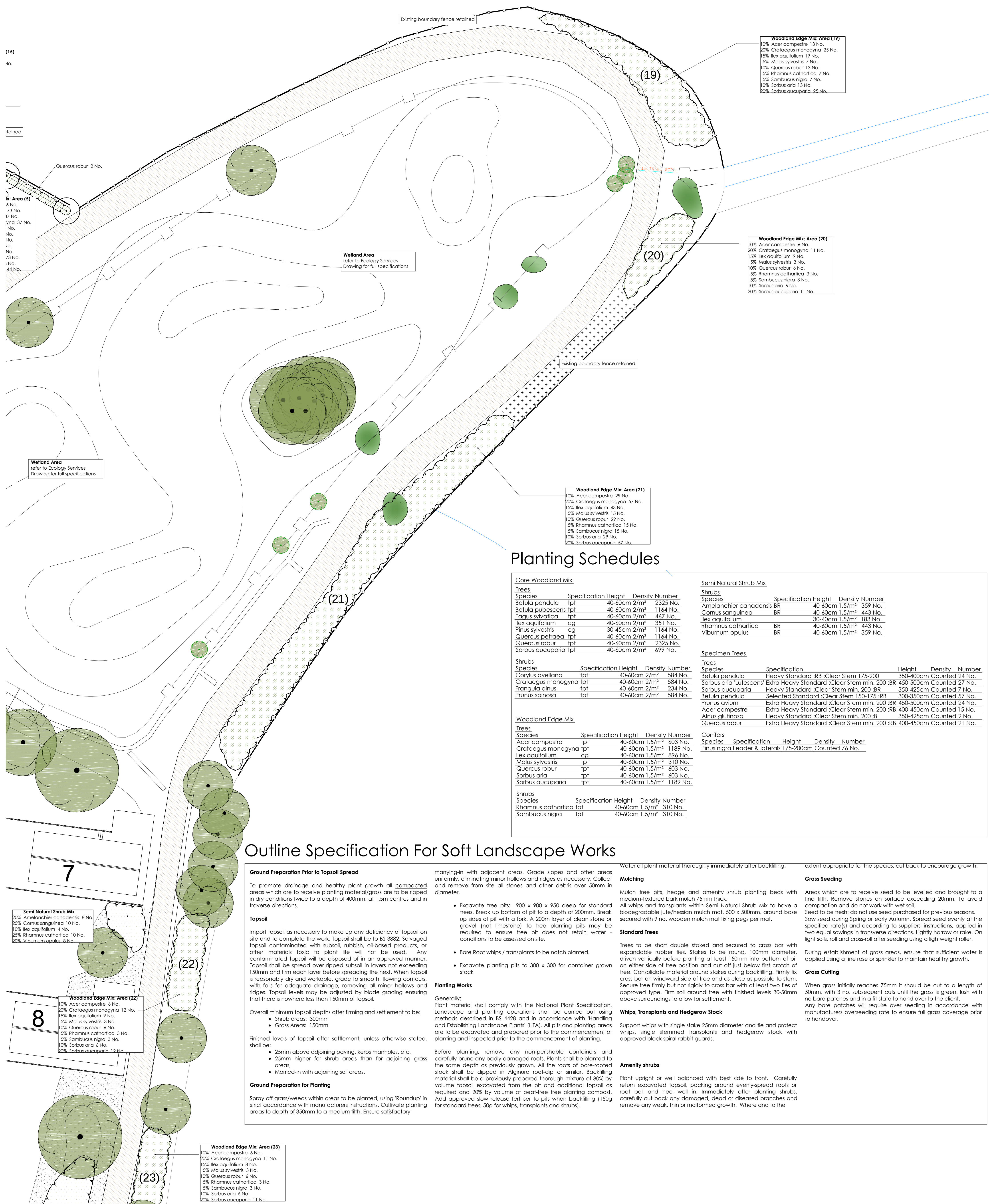


Sheet 3: Wetland Edges + Planting Schedules



Planting Schedules

Core Woodland Mix				Semi Natural Shrub Mix			
Trees				Shrubs			
Species	Specification	Height	Density Number	Species	Specification	Height	Density Number
Betula pendula	tpt	40-60cm	2/m ² 2325 No.	Amelanchier canadensis	BR	40-60cm	1.5/m ² 359 No.
Betula pubescens	tpt	40-60cm	2/m ² 1164 No.	Cornus sanguinea	BR	40-60cm	1.5/m ² 443 No.
Fagus sylvatica	tpt	40-60cm	2/m ² 467 No.	Ilex aquifolium		30-40cm	1.5/m ² 183 No.
Ilex aquifolium	cg	40-60cm	2/m ² 351 No.	Rhamnus cathartica	BR	40-60cm	1.5/m ² 443 No.
Malus sylvestris	cg	30-45cm	2/m ² 1164 No.	Viburnum opulus	BR	40-60cm	1.5/m ² 359 No.
Quercus petraea	tpt	40-60cm	2/m ² 1164 No.				
Quercus robur	tpt	40-60cm	2/m ² 2325 No.				
Sorbus aucuparia	tpt	40-60cm	2/m ² 699 No.				
Trees				Specimen Trees			
Trees				Trees			
Species	Specification	Height	Density Number	Species	Specification	Height	Density Number
Corylus avellana	tpt	40-60cm	2/m ² 584 No.	Betula pendula	Heavy Standard :RB	175-200	350-400cm Counted 24 No.
Crataegus monogyna	tpt	40-60cm	2/m ² 584 No.	Sorbus aria :Lutescens	Extra Heavy Standard :Clear Stem min. 200	:BR	450-500cm Counted 27 No.
Frangula alnus	tpt	40-60cm	2/m ² 234 No.	Sorbus aucuparia	Heavy Standard :Clear Stem min. 200	:BR	350-425cm Counted 7 No.
Prunus spinosa	tpt	40-60cm	2/m ² 584 No.	Betula pendula	Selected Standard :Clear Stem 150-175	:RB	300-350cm Counted 57 No.
				Prunus avium	Extra Heavy Standard :Clear Stem min. 200	:BR	450-500cm Counted 24 No.
				Acer campestre	Extra Heavy Standard :Clear Stem min. 200	:RB	400-450cm Counted 15 No.
				Alnus glutinosa	Heavy Standard :Clear Stem min. 200	:B	350-425cm Counted 2 No.
				Quercus robur	Extra Heavy Standard :Clear Stem min. 200	:RB	400-450cm Counted 21 No.
Woodland Edge Mix				Conifers			
Trees				Species			
Species	Specification	Height	Density Number	Species	Specification	Height	Density Number
Acer campestre	tpt	40-60cm	1.5/m ² 603 No.	Pinus nigra	Leader & laterals	175-200cm	Counted 76 No.
Crataegus monogyna	tpt	40-60cm	1.5/m ² 1189 No.				
Ilex aquifolium	cg	40-60cm	1.5/m ² 896 No.				
Malus sylvestris	tpt	40-60cm	1.5/m ² 310 No.				
Quercus robur	tpt	40-60cm	1.5/m ² 603 No.				
Sorbus aria	tpt	40-60cm	1.5/m ² 603 No.				
Sorbus aucuparia	tpt	40-60cm	1.5/m ² 1189 No.				
Trees				Conifers			
Species	Specification	Height	Density Number	Species	Specification	Height	Density Number
Rhamnus cathartica	tpt	40-60cm	1.5/m ² 310 No.				
Sambucus nigra	tpt	40-60cm	1.5/m ² 310 No.				

Outline Specification For Soft Landscape Works

Ground Preparation Prior to Topsoil Spread To promote drainage and healthy plant growth all compacted areas which are to receive planting material/grass are to be ripped in dry conditions down to a depth of 400mm, at 1.5m centres and in transverse directions. Topsoil Import topsoil as necessary to make up any deficiency of topsoil on site and to complete the work. Topsoil shall be to BS 3882. Salvaged topsoil contaminated with subsoil, rubbish, oil-based products, or other materials toxic to plant life will not be used. Any contaminated topsoil will be disposed of in an approved manner. Topsoil shall be spread over ripped subsoil in layers not exceeding 150mm and firm each layer before spreading the next. When topsoil is reasonably dry and workable, grade to smooth, flowing contours, with falls for adequate drainage, removing all minor hollows and ridges. Topsoil levels may be adjusted by blade grading ensuring that there is nowhere less than 150mm of topsoil. Overall minimum topsoil depths after firming and settlement to be: • Shrub areas: 300mm • Grass Areas: 150mm • Finished levels of topsoil after settlement, unless otherwise stated, shall be: • 25mm above adjoining paving, kerbs manholes, etc. • 25mm higher for shrub areas than for adjoining grass areas. • Married-in with adjoining soil areas. Ground Preparation for Planting Spray off grass/weeds within areas to be planted, using 'Roundup' in strict accordance with manufacturers instructions. Cultivate planting areas to depth of 350mm to a medium tilth. Ensure satisfactory	marking-in with adjacent areas. Grade slopes and other areas uniformly, eliminating minor hollows and ridges as necessary. Collect and remove from site all stones and other debris over 50mm in diameter. • Excavate tree pits: 900 x 900 x 950 deep for standard trees. Break up bottom of pit to a depth of 200mm. Break up sides of pit with a fork. A 200mm layer of clean stone or gravel (not limestone) to tree planting pits may be required to ensure tree pit does not retain water - conditions to be assessed on site. • Bare Root whips / transplants to be notch planted. • Excavate planting pits to 300 x 300 for container grown stock Planting Works Generally, Plant material shall comply with the National Plant Specification. Landscape and planting operations shall be carried out using methods described in BS 4428 and in accordance with 'Handling and Establishing Landscape Plants' (HTA). All pits and planting areas are to be excavated and prepared prior to the commencement of planting and inspected prior to the commencement of planting. Before planting, remove any non-perishable containers and carefully prune any badly damaged roots. Plants shall be planted to the same depth as previously grown. All the roots of bare-rooted stock shall be dipped in Alginate root-dip or similar. Backfilling material shall be a previously-prepared thorough mixture of 80% by volume topsoil excavated from the pit and additional topsoil as required and 20% by volume of peat-free tree planting compost. Add approved slow release fertiliser to pits when backfilling (150g for standard trees, 50g for whips, transplants and shrubs).	Water all plant material thoroughly immediately after backfilling. Mulching Mulch free pits, hedge and amenity shrub planting beds with medium-textured bark mulch 75mm thick. All whips and transplants within Semi Natural Shrub Mix to have a biodegradable jute/hessian mulch mat. 500 x 500mm, around base secured with 9 no. wooden mulch mat fixing pegs per mat. Standard Trees Trees to be short double staked and secured to cross bar with expandable rubber ties. Stakes to be round, 100mm diameter, driven vertically before planting at least 150mm into bottom of pit on either side of free position and cut off just below first crotch of tree. Consolidate material around stakes during backfilling. Firm fix cross bar on windward side of tree and as close as possible to stem. Secure tree firmly but not rigidly to cross bar with at least two ties of approved type. Firm soil around tree with finished levels 30-50mm above surroundings to allow for settlement. Whips, Transplants and Hedgerow Stock Support whips with single stake 25mm diameter and tie and protect whips, single stemmed transplants and hedgerow stock with approved black spiral rabbit guards. Amenity shrubs Plant upright or well balanced with best side to front. Carefully return excavated topsoil, packing around evenly-spread roots or root ball and heel well in. Immediately after planting shrubs, carefully cut back any damaged, dead or diseased branches and remove any weak, thin or malformed growth. Where and to the	extent appropriate for the species, cut back to encourage growth. Grass Seeding Areas which are to receive seed to be levelled and brought to a fine tilth. Remove stones on surface exceeding 20mm. To avoid compaction and do not work with wet soil. Seed to be fresh; do not use seed purchased for previous seasons. Sow seed during Spring or early Autumn. Spread seed evenly at the specified rate(s) and according to suppliers' instructions, applied in two equal sowings in transverse directions. Lightly harrow or rake. On light soils, roll and cross-roll after seeding using a lightweight roller. During establishment of grass areas, ensure that sufficient water is applied using a fine rose or sprinkler to maintain healthy growth. Grass Cutting When grass initially reaches 75mm it should be cut to a length of 50mm, with 3 no. subsequent cuts until the grass is green, lush with no bare patches and in a fit state to hand over to the client. Any bare patches will require over seeding in accordance with manufacturers overseeding rate to ensure full grass coverage prior to handover.
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Key (Soft Details)

Existing Tree/Hedgerow Retained



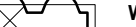
Woodland Core Mix
refer to Planting Schedules.
All stock to be secured using a single cone and protected with a clear spiral rabbit guard



Woodland Edge Mix
refer to Planting Schedules.
All stock to be secured using a single cone and protected with a clear spiral rabbit guard



Semi Natural Shrub Mix
refer to Planting Schedules.
All stock to be secured using a single cone and protected with a clear spiral rabbit guard



Specimen Tree Planting (Broadleaf)
to be secured using short double stakes



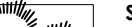
Specimen Tree Planting (Conifer)
to be secured using short double stakes



Native Hedgerow Mix
refer to Planting Schedules.
All stock to be secured using a single cone and protected with a clear spiral rabbit guard



Native Hedgerow (Beech)
refer to Planting Schedules.
All stock to be secured using a single cone and protected with a clear spiral rabbit guard



Key (Hard Details)

Ornamental Shrub Planting
species to include: *Lonicera nitida*, *Eucornis fortunei* Emerald Queen, *Lonicera*, *Sorbus*, *Syringa*, *Prunus*, *Salix*



Long Grass
using Geminal Seeds Mixure
WGL18 - Butterfly and Honey Bee Mix
Sowing Rate: 30g/m² (or approved alternative)



Spring Bulbs
refer to Planting Schedules
See: 14/1/16
Density: 24/m²



Mown Grass
existing grass to be used using Geminal Seeds Mixture
A4 - Low Maintenance Areas
Sowing Rate: 5g/m² (or approved alternative)



Bitmac



Self Binding Gravel
using locally sourced aggregate
200mm down to dust
no edgings unless specifically stated to maintain rural character



Concrete Flag Paving
See: 4/4/16
Colour: Natural



Concrete Block Paving
See: 14/0/Depth: 80mm
Colour: Heather
Laying Pattern: Random
Supplier: Tarmac or approved alternative



Retaining Wall
to engineers detail



Chunky Timber Bollards



Existing Boundary Fence
to be retained



Timber post and steel rail fencing system
to comprise of chunky timber posts and 3 steel tube rails
height: 1.2m



LANDSCAPE ARCHITECT

Project:
PROPOSED LEISURE SCHEME AT PENDLE VIEW FISHERIES
for Lodge Inns Ltd

Hard + Soft Landscape Proposals
Sheet 3 of 6: Wetland Edges + Planting Schedules

Drawing No.
143.203

Date:
30/11/15

Scale:
1:200 @ A1



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