

Species (Indicative)	% or Code	Form	Overall Height (cm)	No. /sqm	Root Condition /Size	Notes
Plant Mix A – Aquatic/ Riverbank						
Low						
Caltha palustris			Full Pot	5	C 3L	
Filipendula vulgaris			Full Pot	5	C 3L	
Mentha aquatica			Full Pot	5	C 3L	
Myosotis scorpioides			Full Pot	5	C 3L	
Pulicaria dysenterica			Full Pot	5	C 3L	
Veronica beccabunga			Full Pot	5	C 3L	
Medium - High						
Butomus umbellatus			Full Pot	3	C 10L	
Eupatorium cannabinum			Full Pot	3	C 10L	
Glycyca maxima			Full Pot	3	C 10L	
Ins pseudacorus			Full Pot	3	C 10L	
Lytimum salicaria			Full Pot	3	C 10L	
Phragmites australis			Full Pot	3	C 10L	Minimal use in attenuation elements only

Species (Indicative)	% or Code	Form	Overall Height (cm)	No. /sqm	Root Condition /Size	Notes
Plant Mix B – Woodland Edge						
Low						
Anemone nemorosa			Full Pot	10-15	5	C 3L
Hedera helix			Full Pot	10-15	5	C 3L
Lonicera periclymenum			Bushy, 3-6 brks	20-30	5	C 3L
Pachysandra terminalis			Full Pot	10-15	5	C 3L
Polypodium vulgare			Full Pot	10-15	5	C 3L
Rosa canina			Bushy, 3-6 brks	20-30	5	C 3L
Rubus fruticosus			Full Pot	10-15	5	C 3L
Stachys officinalis			Bushy, 3-6 brks	20-30	5	C 3L
Medium - High						
Acer campestre			Feather	125-150	1	C 10L
Cornus mas			Bushy, 3-6 brks	60-80	3	C 10L
Corylus avellana			Feather	125-150	1	C 10L
Cornus alba 'Elegantissima'			Bushy, 3-6 brks	60-80	3	C 10L
Cornus sanguinea			Bushy, 3-6 brks	60-80	3	C 10L
Ilex aquifolium			Bushy, 3-6 brks	80-100	1	C 10L
Malus sylvestris			Feather	125-150	1	C 10L
Prunus spinosa			Bushy, 3-6 brks	60-80	3	C 10L
Pyracantha Soleil d'Or			Bushy, 3-6 brks	60-80	3	C 10L

IMPORTANT NOTE:
 All instances of plants noted on the Invasive plant species are listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended), to be removed.
 Other site dominant species such as Rosebay willowherb should also be removed in order to promote better competition conditions on-site

Species (Indicative)	% or Code	Form	Overall Height (cm)	No. /sqm	Root Condition /Size	Notes
Plant Mix C – Woodland Support						
Low						
Anemone 'Wild Swan'			Full Pot	15-20	5	C 3L
Anemone hephephensis 'Hadsphen Abundance'			Full Pot	15-20	5	C 3L
Ajuga reptans 'Braunherz'			Full Pot	10-15	5	C 3L
Asplenium scolopendrium			Full Pot	10-15	5	C 3L
Asarum europaeum			Full Pot	10-15	5	C 3L
Athyrium filix-fem			Bushy, Full Pot	20-30	5	C 3L
Epimedium grandiflorum 'Lilafae'			Bushy, Full Pot	20-30	5	C 3L
Epimedium x youngianum 'Niveum'			Bushy, Full Pot	20-30	5	C 3L
Geranium macrorrhizum 'Album'			Bushy, Full Pot	20-30	5	C 3L
Geranium phaeum 'Album'			Full Pot	15-20	5	C 3L
Hedera helix			Full Pot	10-15	5	C 3L
Medium - High						
Acer campestre			Feather	125-150	1	C 10L
Corylus avellana			Feather	125-150	1	C 10L
Dryopteris wallichiana			Bushy, Full Pot	40-60	3	C 10L
Ribes nigrum 'Ben Hope'			Bushy, 3-6 brks	60-80	3	C 10L
Ribes rubrum 'Jonkheer van Tets'			Bushy, 3-6 brks	60-80	3	C 10L
Ribes rubrum 'White Versailles'			Bushy, 3-6 brks	60-80	3	C 10L
Ribes sanguineum			Bushy, 3-6 brks	60-80	3	C 10L
Lonicera periclymenum 'Graham Thomas'			Bushy, Full Pot	40-60	3	C 10L
Polystichum aculeatum			Bushy, Full Pot	40-60	3	C 10L
Polystichum setiferum			Bushy, Full Pot	40-60	3	C 10L
Prunus spinosa			Bushy, 3-6 brks	60-80	3	C 10L
Virburnum tinus			Bushy, 3-6 brks	60-80	3	C 10L

Species	% or Code	Form	Overall Height/ Girth	Qty	Root Condition /Size	Notes
Marker Trees						
All clear stem to 2.1m						
Acer gresum	Ag	Multi-stem,	250-300cm	2	C 40L	Min' 3 breaks
Betula utilis jacquemontii	Bu	Multi-stem,	250-300cm	2	C 40L	Min' 3 breaks
Carpinus betulus	Cb	Multi-stem	250-300cm	3	C 40L	Min' 3 breaks
Salix caprea	Sc	Multi-stem	250-300cm	1	C 40L	Min' 3 breaks

Species	%
Wildflower/ Flowering Lawn mix.	
- E11 – Flowering Lawn Mix, Emorsgate Seeds – sowing rate: 4 g/m ² = 40kg/ha – species as below	
Wildflower	
Gallium verum	4
Leontodon hispidus	0.5
Leucanthemum vulgare	1
Lotus corniculatus	3.7
Prenula veris	3
Prunella vulgaris	4
Ranunculus acris	3.5
Trifolium pratense	0.3
Grasses	
Agrostis capillaris	8
Cynosurus cristatus	40
Festuca rubra	28
Phleum bertolonii	4

General
 All plants to be supplied in full accordance with the HTA National Plant Specification.
 All plant material to be containerised with low planting at 3lt pots (4/sqm) and medium-high at 10lt pots (2/sqm).
 All tree work in accordance with BS 5837:2005 and BS 3998:1989 Works undertaken only after nesting of Tree Officer if trees TOP'd or in Conservation Area. Works not to be undertaken in bird nesting season without consent.
 All nursery stock in accordance with BS 3936 (Part 1)
 All landscape operations (excluding hard surfaces) in accordance with BS 4428:1989
 Newly planted areas to be protected by temporary chestnut pale fencing in accordance with BS5837

Soiling Depths
 Wildflower areas – 300mm topsoil (no topsoil)
 Hedge/ Large shrub Planting – 450mm topsoil, 450mm subsoil
 Shrub Planting – 300mm topsoil, 300mm subsoil

Protection to Existing Trees
 The recommendations in BS5387 (2012). Trees in relation to Construction must be complied with at all times. No pruning, lopping, felling or severance of roots is to take place without prior consent of the local authority. Any work to the existing trees is to be carried out by a qualified tree surgeon. The location and construction of protective fencing shall be agreed with the local authority prior to any site works commencing. Under no circumstances must any materials be stored under the canopy of existing trees, and no cement, diesel or oil stored near them. No vehicles should pass under the canopy of existing trees. No fires should be lit in close proximity to existing trees. No ropes, cables, services or notice boards shall be fixed to existing trees. Under no circumstances should the levels around existing trees be either raised or reduced. Scaffolding may only be erected within protected areas if it is done so in accordance with BS 5837. Any excavations under existing tree canopy spreads shall be done by hand.

Topsoil in accordance with BS 3882:1994
 Undisturbed topsoil to BS4428

Tree planting to have 10sqm (minimum) of growing medium/plant in shared trench wherever possible.

Tree Planting
 Trees shall be planted into tree pit 75mm deeper than root system and wide enough to accommodate the root system when fully spread. Break up bottom of pit and backfill with 3:1 excavated topsoil:peat free compost mix and slow release fertiliser.
 NB. Check for services prior to excavation of tree pit.

Grass & Meadow Seeding
 The area to be seeded is to be graded to smooth even running falls to allow the finished level of grass sward to be 25mm above adjoining paved areas. Sow: April-October
 The soil surface is to be cultivated to a fine, firm tith with a good crumb structure and uniformly firmed by rolling/treading and then lightly raked to 25mm depth to form a true, even surface. All rubbish, clods of earth and stones exceeding 50mm dia. to be removed.

Established Maintenance
 Straighten trees/shrubs and re-firm around roots after windy/frosty weather. Water trees/shrubs/ to field capacity during dry spells in spring/summer. First mow when grass sward is 75mm high and grass is reasonably dry. Height of first cut to 50mm. Remove arisings from site.
 After establishment, formative prune hedges 2 to 3 times a year to maintain size and spread and formative prune or ornamental shrubs as necessary to maintain desired size and shape. Establish appropriate mowing regime (e.g. one cut/month during April, May, September and October, 2 cuts per month during June, July and August.

All plant failures in the first 2 years to be replaced during the next suitable planting period.

Plants / trees – general
 Condition: materially undamaged, sturdy, healthy & vigorous
 Appearance: of good shape and without elongated shoots
 Free from pests, diseases, discoloration, weeds & physiological disorders.
 Origin: British grown, preferably local provenance.

Plants / Trees - specification criteria
 Name, forms, dimensions and other criteria: as scheduled and defined in the NPS.

Times of year for planting
 Deciduous trees & shrubs: late October to late March
 Conifers & evergreens: September / October or April / May
 Herbaceous plants (including marginal): September / October or March / April
 Wildflower plugs: late August to mid November or March / April

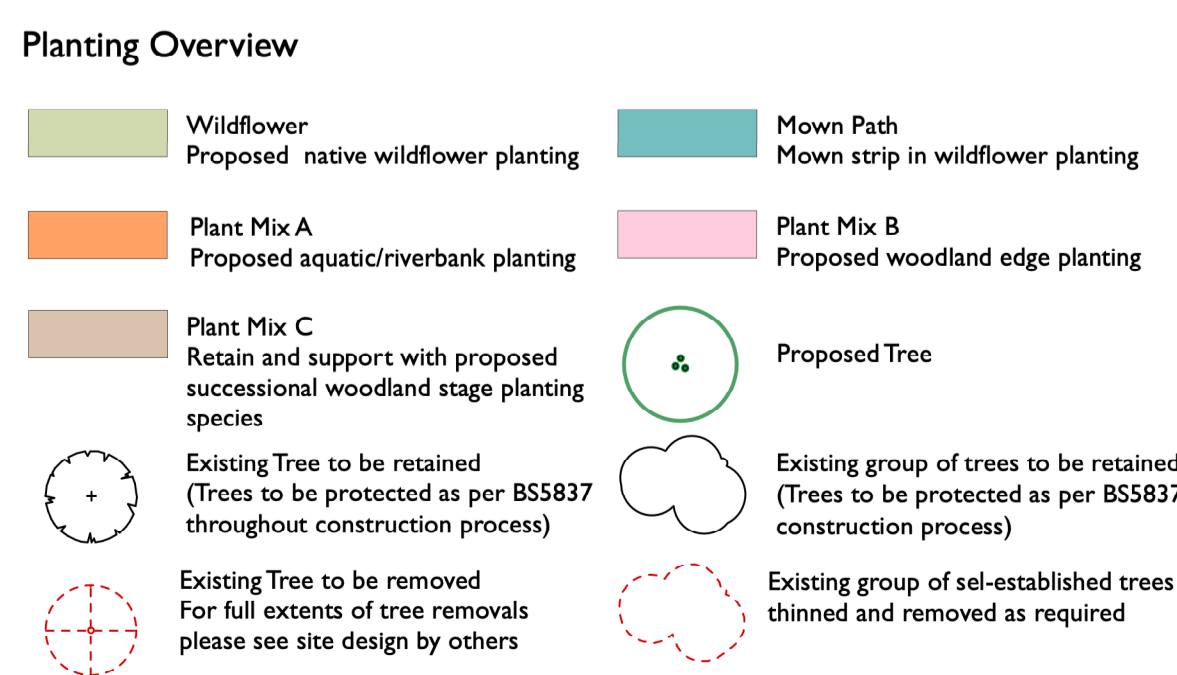
Planting wildflower plugs
 Keep plants watered and in shade until planted – do not allow to dry out.
 Preparation: remove brambles, coarse & invasive weeds from planting sites.
 Plant into a hole to suit plug size and shape. Create a cleft at bottom of hole to improve rooting. Gently firm plant into hole.

Tree pits (for standard trees)
 Sizes: 75mm deeper than the root system and wide enough to accommodate roots when fully spread.
 Pit bottoms: with slightly raised centre. Break up to a depth of 150mm. Backfilling: reuse excavated material

Staking (for standard trees)
 Stakes: softwood, peeled chestnut, larch or oak, straight, free from projections and large edge knots and with pointed lower end.
 Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting.
 Height of stake: cut to approx 600mm above ground level
 Ties: contractors choice
 Tying: secure tree firmly but not rigidly to stake with 2 ties within 25mm of top of stake.

Tree protection
 Manufacturer / product reference: contractors choice
 Type: spiral
 Colour / support: clear, bamboo canes

Woodland planting
 Generally: check for above / below ground services. Give notice if they may be affected and obtain instructions before proceeding.
 Safety: comply with Arboricultural & FAG guidance.



Notch planting in uncultivated ground
 Make a vertical I, L or T notch deep enough to accommodate full depth of roots.
 Plant tree, close notch with root collar at ground level and firm the soil

Setting out
 Planting density: to aid early establishment of screening 1 per m²
 Layout: random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction.

Establishment maintenance / making good defects
 Failures of planting
 Defects due to materials or workmanship not in accordance with the contract.
 Replacements: to match size of adjacent or nearby plants of the same species or match original spec, whichever is the greater.
 Timing: during the next suitable planting season

Woodland planting maintenance
 Watering: only necessary to prevent plants wilting
 Loose plants: re-firm surrounding soil, without compacting
 Weed control: cut down & remove weeds prior to setting seed in a 1m dia. around each tree.
 Thinning: thin to densities specified in the ecologists management plan

NOTE: Plant quantities and/or % to be confirmed after planning approval.

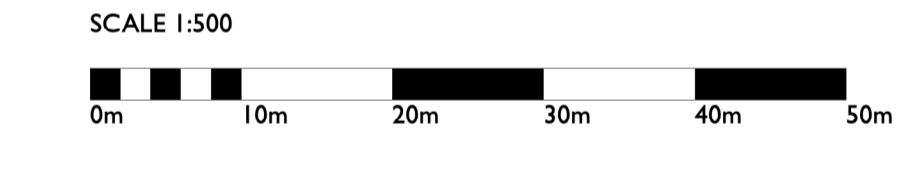
GENERAL NOTES:

- Do not scale from this drawing.
- All levels, dimensions & setting out to be checked & agreed on site.
- All dimensions are in millimetres unless otherwise stated.
- All drawings must be read in conjunction with all Landscape, Civil, Geotechnical & Structural Engineers, National Highways, British Waterways and Architectural Documentation.
- The contractor shall be responsible for confirming the position of all existing services, structures and works including building set out, in and around the site, prior to the commencement of works.
- Contractor to confirm all dimensions and levels with Landscape Architect, prior to commencing work and ordering materials.
- The contractor is to protect all listed structures during works.
- This drawing is copyright protected & may not be reproduced in whole or part without written authority.
- Typical detail drawings are to be considered as design intent and not construction drawings. Selected Fabricators and Manufacturer's to provide fabrication drawings for XQLA approval

REFER TO:
 XQLA Drawings:
 792-XQL-XX-00-RP-L-0100 Landscape Masterplan

XQLA Documents:
 792-XQL-XX-00-RP-L-0500 Landscape Strategy

Refer to Architects drawings for building interface
 Refer to Conservation Architects drawings for historic structures
 Refer to arboricultural & topographical survey



REVISION	DATE	DESCRIPTION	DRAWN BY	APPRVD BY
PL01	21/10/29	Planning issue	OB	XQ

PLANNING

792_SHEPLEY RD_HOWARTH TIMBER

PROJECT

SOFT LANDSCAPE PLAN

DRAWING NAME

1:500 @ A1 SCALE OCT' 21 DATE S2 STATUS PL01 REVISION

792-XQL-00-00-DR-L-0400

DRAWING NO.

OB DRAWN BY XQ CHECKED BY XQ APPROVED BY

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