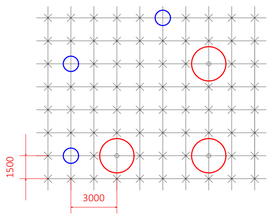


NATIVE THICKET PLANTING LAYOUT GRID: 1:200



Key

- Native thicket mix transplants
- Proposed Select Standard trees (37 no. SS trees)
- Proposed Heavy Standard trees (45 no. HS trees, including 12 no oak)

HEDGE PLANTING DETAIL: 1:50



Transplants (600 - 800 mm height as per spec)

TOPSOIL AND EARTHWORKS NOTES:

- Slope gradients to be determined by geotechnical properties of the soils; information available from the geotechnical engineer on soils composition and suitability to be checked and verified.
- At this stage, the suggested maximum gradient is 1:2.5 (recommended maximum natural angle of repose for soils).
- Soil Management, handling and placement to be in accordance with BS3882 and Defra guidance document 'Construction Code of Practice for the Sustainable Use of Soils on Construction Sites'.
- No excavation works to be undertaken within root protection areas all relevant Arboricultural information produced for the site to be followed (TCP; AIA; Arboricultural Method Statement) as appropriate.
- Eastern slopes of bund re-profiling of topsoil to follow approved engineering proposals to achieve a consistent and stable profile with a topsoil depth of 0.5m for native thicket planting areas and 1.0m depth topsoil for tree pits. Soil on the western slopes to be capped with a 0.15-0.25m depth layer of low nutrient' subsoil available on site. Depths based on existing topsoil conditions, with the aim to reduce fertility to provide suitable conditions for wildflower grass mix establishment.

General Notes

1. Do not scale from drawing unless it is a specified setting out plan and you have confirmed it is printed to scale.
2. All dimensions and levels shown must be confirmed by contractors prior to the commencement of construction works.
3. All measurements must be checked on site.
4. Drawings are to be read in conjunction with all other relevant plans, specifications and schedules.
5. All work must comply with the current building regulations.
6. No materials used or methods of workmanship to be employed that do not conform to the current relevant British Standard and Code Of Practice.
7. All plants and materials are subject to availability at time of ordering.
8. Topsoils to be placed to 450mm overall depth in shrub and herbaceous areas and 600mm in tree pits and hedge trenches. Soils should be placed in 150mm layers, firming as you go, over compaction free, well draining subsoil.



Key - Materials & Symbols

- Water
- Thicket and fescue / bent grass mix growing below
- Long grass / meadow
- Wildflower meadow
- Scrub
- Existing Hedge
- Proposed Hedge
- Existing Tree
- Proposed Tree, Select Standard
- Proposed Tree, Heavy Standard
- Bee and butterfly banks and scrapes
- Rock piles
- Hibernacula

Tree species key

AG	Alnus glutinosa
BP	Betula pendula
CA	Corylus avellana
CB	Carpinus betulus
CM	Crataegus monogyna
MS	Malus sylvestris
QR	Quercus robur
SA	Sorbus aucuparia
PA	Prunus avium

PLANTING SCHEDULE HQ EXTENSION, WREXHAM (26/11/24) V1

EXISTING TREES To be protected in accordance with BS5837 (2012): Trees in Relation to Design, Demolition and Construction' and based on approved Tree Protection Scheme for the site.
Refer to relevant Tree Constraints Plan and associated Arboricultural survey data sheets for detailed information on trees.

PROPOSED HEAVY STANDARD TREES
12-14cm girth; 2.75 - 3.0m height; 1.75 - 2.0m clear stem. ROOTBALLED.
To be planted within all landscape external and bund mounding areas as shown on plan. Pedunculate Oak trees to be sited at specified intervals to allow good long term growth to follow the pattern of existing Oaks on site. Other species to follow positions identified on plan, within the 1.5m grid at minimum 6.0m intervals interspersed within the whip (transplant) grid.

AG	Alnus glutinosa	Common Alder
BP	Betula pendula	Silver Birch
CB	Carpinus betulus	Hornbeam
QR	Quercus robur	Pendunculate Oak

PROPOSED SELECT STANDARD TREES
8-10cm girth; 2.0 2.5m height; 1.0 1.5m clear stem. BARE ROOT.
To be planted within all landscape external and bund mounding areas as shown on plan, within the 1.5m grid at minimum 5.0m intervals interspersed within the whip (transplant) grid.

AC	Acer campestre	Field Maple
CM	Crataegus monogyna	Hawthorn
CA	Corylus avellana	Hazel
MS	Malus sylvestris	Crab Apple
PA	Prunus avium	Wild Cherry
SF	Salix fragilis	Crack Willow
SC	Salix caprea	Goat Willow
SA	Sorbus aucuparia	Rowan

PROPOSED NATIVE HEDGE - SITE CENTRE
0.75m wide hedge, planted in a double staggered row at 0.75m spacing; 0.5m between rows; 4/m2.

Crataegus monogyna	Hawthorn	40%	60 - 80 cm, 1+1
Acer campestre	Field Maple	15%	
Alnus glutinosa	Alder	5%	
Corylus avellana	Hazel	15%	
Ilex aquifolium	Holly	5%	45 - 60 cm
Rosa canina	Dog Rose	5%	60 - 80 cm, 1+1
Sambucus nigra	Elder	5%	
Malus sylvestris	Crab Apple	5%	
Viburnum opulus	Guelder Rose	5%	

PROPOSED NATIVE THICKET (SCRUB) MIX
Planted on a 1.5m grid, with transplants in groups of 5-9 of the same species to create a natural random form. Planting grid to be set at 45 degrees to the linear planting line (north-south) to create an offset matrix pattern to avoid a grid at right angles.

Cornus sanguinea	Dogwood	10%	60 - 80 cm, 1+1
Corylus avellana	Hazel	15%	
Crataegus monogyna	Hawthorn	15%	
Euonymus europaeus	Spindle	10%	
Rhamnus cathartica	Buckthorn	15%	
Ilex aquifolium	Holly	5%	45 - 60 cm
Rosa canina	Dog Rose	10%	
Salix caprea	Goat Willow	10%	45 - 60 cm, PG
Viburnum lantana	Wayfaring Tree	10%	

-WILDFLOWER GRASS AREAS SPECIES RICH MEADOW MIX (RE1 TRADITIONAL HAY MEADOW) MG5
Species Rich Wildflower Meadow mix 20:80 mix (17 Wildflower species; 7 grass species).
RE1 (MG5 Grassland) supplied by Germinal Seeds Limited or similar approved; seed sown at rate of 5gm/m2 in accordance with the suppliers sowing instructions. Establishment and ongoing maintenance in accordance with suppliers guidance and specification.

Wildflowers:

-	1.1%	Yarrow	(Achillea millefolium)
-	1.0%	Common Sorrel	(Rumex acetosa)
-	0.1%	Lady's Bedstraw	(Gallium verum)
-	1.4%	Oxeye Daisy	(Leucanthemum vulgare)
-	3.1%	Ribwort Plantain	(Plantago lanceolata)
-	0.8%	Agrimony	(Agrimonia eupatorium)
-	1.0%	Self Heal	(Prunella vulgaris)
-	0.2%	Meadow Sweet	(Filipendula ulmaria)
-	2.0%	Salad Burnet	(Sanguisorba minor)
-	1.0%	Birdsfoot Trefoil	(Lotus corniculatus)
-	2.0%	White Clover	(Trifolium repens)
-	2.0%	Red Clover	(Trifolium pratense)
-	0.5%	Yellow Rattle	(Rhinanthus minor)
-	0.2%	Burnett Saxifrage	(Pimpinella saxifraga)
-	0.3%	Greater Knapweed	(Centaurea scabiosa)
-	0.3%	Dandelion	(Taraxacum officinale)
-	3.0%	Common Knapweed	(Centaurea nigra)

Grasses:

-	30.0%	Strong Creeping Red Fescue	(Festuca rubra rubra)
-	25.0%	Crested Dogstail	(Cynosurus cristatus)
-	5.0%	Golden Oat Grass	(Trisetum flavescens)
-	5.0%	Meadow Fescue	(Festuca pratensis)
-	6.5%	Sheeps Fescue	(Festuca ovina)
-	3.5%	Browntop Bent	(Agrostis capillaris)
-	5.0%	Quaking Grass	(Briza media)

AQUATIC MARGINAL GRASS AREAS WET MEADOW MIX (RE3 RIVER FLOODPLAIN / WATER MEADOW) MG8
A mixture of grasses and aquatic wildflowers that are tolerant of wet conditions and suitable for sowing at the edges and wet margin of ponds, streams, lakes and ditches. Contains:Wildflowers 20% (14 species) Grasses 80% (9 species)
RE3 (MG8 Grassland) supplied by Germinal Seeds Limited or similar approved; seed sown at rate of 5gm/m2 in accordance with the suppliers sowing instructions. Establishment and ongoing maintenance in accordance with suppliers guidance and specification.

Wildflowers:

-	0.5%	Meadow Sweet	(Filipendula ulmaria)
-	1.0%	Dandelion	(Taraxacum officinale)
-	3.6%	Oxeye Daisy	(Leucanthemum vulgare)
-	0.1%	Ragged Robin	(Lychnis flos cuculi)
-	4.0%	Ribwort Plantain	(Plantago lanceolata)
-	2.0%	Self Heal	(Prunella vulgaris)
-	2.0%	White Clover	(Trifolium repens)
-	2.0%	Red Clover	(Trifolium pratense)
-	0.8%	Yellow Rattle	(Rhinanthus minor)
-	0.1%	Water Avens	(Geum rivale)
-	0.1%	Greater Stitchwort	(Stellaria holostea)
-	0.6%	Soft-Rush	(Juncus effusus)
-	1.9%	Meadow Buttercup	(Ranunculus acris)
-	1.3%	Salad Burnet	(Sanguisorba minor)

Grasses:

-	25.0%	Slender Creeping Red Fescue	(Festuca rubra rubra)
-	20.0%	Crested Dogstail	(Cynosurus cristatus)
-	15.0%	Smooth Stalked Meadow Grass	(Poa Pratensis)
-	5.0%	Meadow Fescue	(Festuca pratensis)
-	2.5%	Creeping Bent	(Agrostis stolonifera)
-	5.0%	Lolium perenne	(Lolium perenne)
-	2.5%	Yorkshire Fog	(Holcus lanatus)
-	2.5%	Browntop Bent	(Agrostis capillaris)
-	2.5%	Timothy (Small eared)	(Phleum bertolonii)

AQUATIC AND MARGINAL PLANTING
Planting at 0.5m spacing (4/m2); 1L container grown plants planted in accordance with suppliers specifications with reference to TEP planting proposals (D7215.001A Landscape Proposals).

Caltha palustris	Marsh Marigold	17.5%
Juncus effusus	Common Rush	10%
Juncus inflexus	Hard Rush	15%
Lythrum salicaria	Purple Loosestrife	12.5%
Mentha aquatica	Water Mint	5%
Myosotis scorpioides	Water Forget Me Not	10%
Ranunculus flammula	Lesser Spearwort	10%
Sparganium erectum	Branched Bur-reed	15%
Veronica beccaguna	Brooklime	10%

TO BE READ IN CONJUNCTION WITH TIER CONSULT DRAWINGS
T_21_2412-60-06 (Existing Bund Levels Layout)
T_21_2412-60-08 (Proposed 1 in 2.5 Bund Levels Layout)
AND ASSOCIATED SECTION DRAWINGS.

N

Date	Original size	Scale	Drawn by	Checked by	Rev
03/12/2024	A1	1:300	JH	JK	1

Drawing no: Net World Sports.NLD.050
Status: S3
Drawing title: NWS HQ Extension - Earthworks bunding proposal - south end
Location: Wrexham
Client name: Net World Sports

Nicholsons is a trading name of Nicholsons Nurseries Ltd, The Park, North Aston, Bicester, Oxfordshire. OX25 6HX. T:+44 (0)1869 340541 www.nicholsonsgb.com | Company No: 5601003

NICHOLSONS