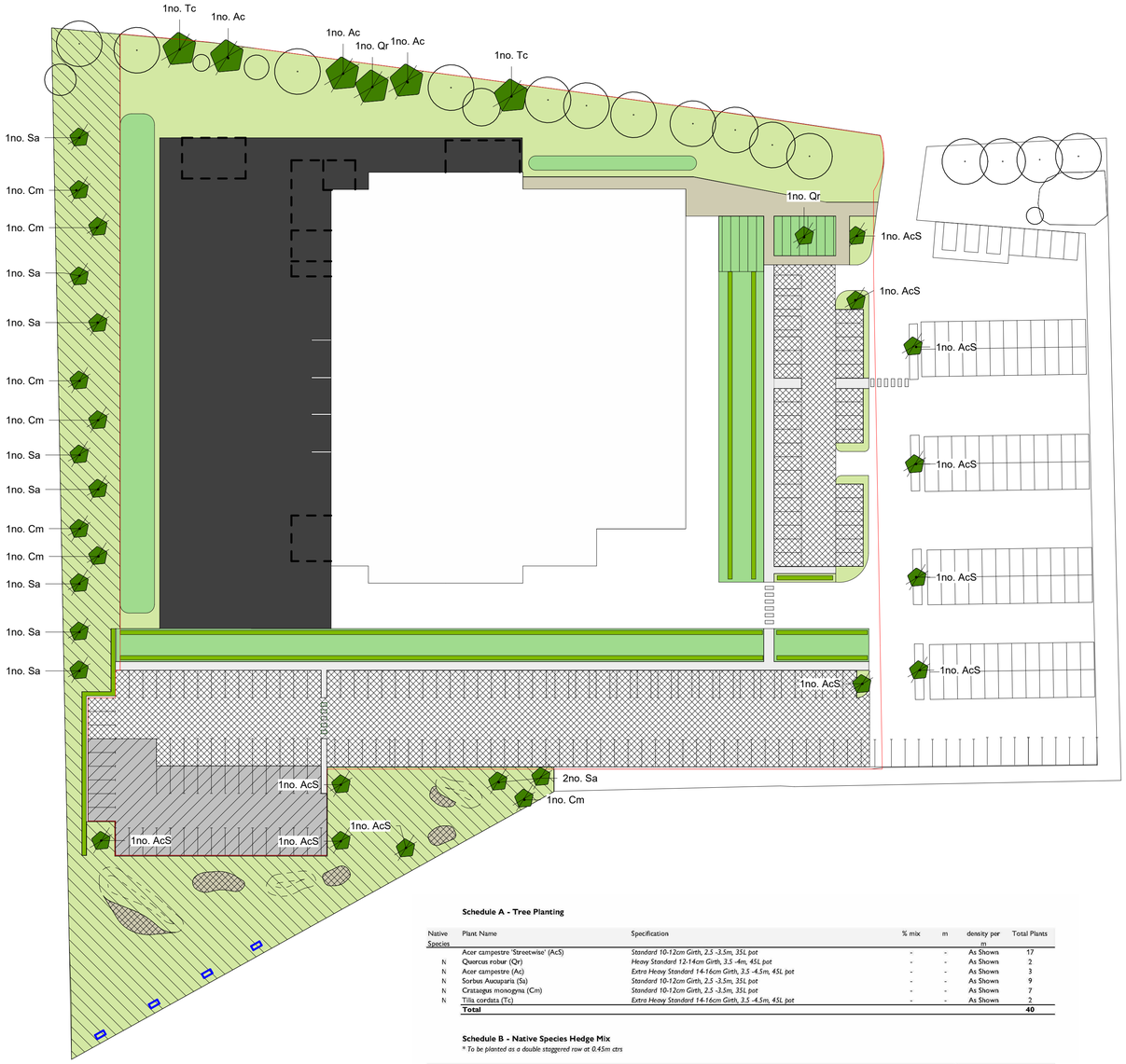


Schedule A - Tree Planting

Native Species	Plant Name	Specification	% mix	m	density per m	Total Plants
	Acer campestre 'Streetwise' (AcS)	*Standard 10-12cm Girth, 2.5 -3.5m, 35L pot*	-	-	As Shown	17
N	Quercus robur (Qr)	*Heavy Standard 12-14cm Girth, 3.5 -4m, 45L pot*	-	-	As Shown	2
N	Acer campestre (Ac)	*Extra Heavy Standard 14-16cm Girth, 3.5 -4.5m, 45L pot*	-	-	As Shown	3
N	Sorbus Aucuparia (Sa)	*Standard 10-12cm Girth, 2.5 -3.5m, 35L pot*	-	-	As Shown	9
N	Crataegus monogyna (Cm)	*Standard 10-12cm Girth, 2.5 -3.5m, 35L pot*	-	-	As Shown	7
N	Tilia cordata (Tc)	*Extra Heavy Standard 14-16cm Girth, 3.5 -4.5m, 45L pot*	-	-	As Shown	2
	Total					**40**

Schedule B - Native Species Hedge Mix

** To be planted as a double staggered row at 0.45m ctrs*

Native Species	Plant Name	Specification	% mix	Area/m²	density per m	Total Plants
N	Acer campestre	*1+1 bare root, 40-60cm whip*	15	63	5	314
N	Crataegus monogyna	*1+1 bare root, 40-60cm whip*	25	105	5	524
N	Ilex aquifolium	*1+1 bare root, 40-60cm whip*	10	42	5	210
N	Corylus avellana	*1+1 bare root, 40-60cm whip*	30	126	5	629
N	Cornus sanguinea	*1+1 bare root, 40-60cm whip*	20	84	5	419
	Linear Meter	**419**				**2,095**

Schedule C - Wildflower Meadow Mix

Native Species	Plant Name	Specification	% mix	Area/m²	Grams per m2	Total grams
	Emorsgate EM3	*Special General Purpose Meadow Mixture*	100	2556	4	10224
	Total Area (m2)	**2556**				**-**

Schedule D - Rain Garden Mix

Native Species	Plant Name	Specification	% mix	Area/m²	density per m	Total Plants
	Wet Meadow Grass Mix	*Emorsgate EM8 or equal approved*	100	1923	5g/m2	-
	Allium sphaerocephalon 'Drumstick'	*2L, container grown, full pot*	10	15.1	5	76
	Allium stipitatum 'Mount Everest'	*2L, container grown, full pot*	10	15.1	5	76
	Briza Golden Bee	*9cm pot*	20	30.2	4	121
	Molinia Transparent	*9cm pot*	10	15.1	4	60
	Molinia Heidezwerg	*9cm pot*	10	15.1	4	60
	Molinia caerulea 'Edith Dudszus'	*2L, container grown, full pot*	10	15.1	4	60
	Sedum amtrona	*2L, container grown, full pot*	20	30.2	4	121
	Stipa tenuissima	*2L, container grown, full pot*	10	15.1	5	76
	Total (m2)	**151**				**649**

Schedule E - Wildflower Meadow Mix 2

** Salad Burnet, Musk Mallow and Agrimony to be removed from mixed and replaced with 3% mix of Birds Foot Trefoil*

Native Species	Plant Name	Specification	% mix	Area/m²	Grams per m2	Total grams
	Emorsgate EM2	*Standard General Purpose Meadow Mix*	100	3004	4	12016
	Total Area (m2)	**3004**				**-**

LANDSCAPE NOTES:

The Planting Notes should be read in conjunction with all landscape drawings, the notes below set out the aims and objectives of the new landscape scheme.

DURING CONSTRUCTION

All works to be carried out by qualified Tree Surgeon outside of bird nesting season and inline with Arboricultural Report.

- Existing trees and boundary vegetation to be retained are protected by Tree Protection Fencing prior to any site works

PREPARATION PRIOR TO PLANTING :

- Before commencing works, the Landscape Contractor is responsible for checking for below ground services in the vicinity of the planting works. Give notice of any that may be affected and obtain instructions before proceeding.

- All planting beds to be bare ground, free of grass, weeds, removing all litter debris and stones.

- Apply approved herbicide, leave for a minimum of 14 days. Remove all arising's from Site.

- All container plants to be well watered in their container prior to planting

- No planting should occur when the ground is frozen or water logged

- Planting areas to have a 450mm depth of clean imported topsoil as per Remediation Strategy (topsoil to BS 3882:2015). Grass areas to have 300mm min clean capping layer. Before laying topsoil, lightly cultivate and loosen the surface a minimum of 300mm, to create a 'key' for the new topsoil.

- Plant materials to confirm to National Plant Specification. All plants to originate within the UK. Planting operations to be in accordance with BS 4428 : 1989.

GENERAL PLANTING NOTES

- New tree planting in grass areas to be in a 0.6m radius, weed free circle, refer to tree pit detail for more information.

- All shrub planting is to be planted in to a weed free bed a minimum 100mm wider than the planting area, plants to be set 100mm back from any fence or wall

- Planting pits to be dug to a minimum depth of 1000mm for trees and 400mm for shrub planting. The sides of all pits are to be loosened avoiding smooth sides

- All planting mixes to be planted in species groups as noted in the schedule

- All tree and hedge planting to have Mycorrhizal Fungi with Gel dusted to bareroots or added to pit to encourage healthy establishment

- All bare root whips to have Tubex (or equivalent) Combi-tube Standard Tree shelter 750mm high x 150mm dia fitted to a 25x25x900mm timber stake, as per manufacturers reccommendations.

- All plants to be thoroughly watered in immediately after planting

ESTABLISHMENT & MAINTENANCE OF NEW PLANTING :

- During the establishment period visit at eight weekly intervals from April- December to carry out the following to planting areas:

- Control weed growth. Maintaining a weed free area around each plant during the first few years will allow quick establishment of the plants and reduce the likelihood of dieback.

- Prune dead and broken branches/shoots

- Check stakes and ties. Adjust or replace as necessary

- Litter picking of beds

WEED CONTROL IN GRASS AREAS :

- The weed free areas to be maintained as weed free for the first 5 years following planting with mulch woodchip material, all areas topped up to maintain a 50mm depth for the maintenance period. Occasional spraying with a contact herbicide in accordance with the manufacturers instructions may be required.

WATERING :

- The proposed planting has been specified to be contextually appropriate species that following the establishment period will thrive without irrigation and will continue to do so in those conditions likely as a result of climate change, i.e. typically warmer and wetter conditions.

However, during the first year after planting it may be necessary to water all plants in prolonged periods of dry weather. This usually occurs during May - September. All planting areas should be watered to field saturation using clean fresh water on a weekly basis in these cases.

REMOVAL OF STAKES AND TIES :
- All spiral guards, canes and tree stakes should be removed at the end of years 3-5 following planting.

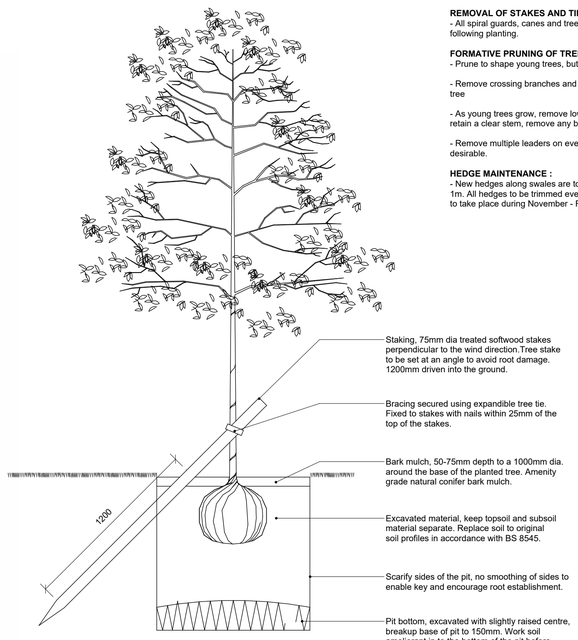
FORMATIVE PRUNING OF TREES
- Prune to shape young trees, but do not cut back the leader

- Remove crossing branches and branches that grow back towards the centre of the tree

- As young trees grow, remove lower branches gradually to raise the crown and retain a clear stem, remove any branches crossingboundary fences

- Remove multiple leaders on evergreens and other trees where a single leader is desirable.

HEDGE MAINTENANCE :
- New hedges along swales are to be allowed to grow to an approximate height of 1m. All hedges to be trimmed every year to ensure dense vegetation. Hedge cutting to take place during November - February (outside bird nesting periods).



Notes

· This drawing is the copyright of Land Studio. It must not be copied or reproduced without written consent.
· This drawing is to be read as part of a full Landscape Drawing Package in conjunction with all the relevant surveys alongside the Architectural and Engineers drawings
· Only figured dimensions are to be taken from this drawing. Dimensions should not be scaled from this drawing, as scaling of this drawing cannot be assured.
· All dimensions are to millimetres unless specified otherwise
· All contractors must visit the site and be responsible for taking and checking all dimensions, services and setting out related to the works shown on this drawing
· All coordinates are set to dimensional points to enable easy cross referencing on site
· All setting out points are to be verified on site and any discrepancies should be clarified by the Landscape Architect
· Hatching is not a technical representation of surface patterns, contractors are to follow the line of direction specified on drawings . Where no line of direction is given contractor to contact Landscape Architect before laying.
All levels should be checked on site and conflicts reported to the design office.

....if in doubt ask

KEY

Existing Elements

- Existing Trees retained
- Existing tarmac surfacing to car park
- Proposed Trees
 Refer to schedule A for details.
- Proposed Wildflower Meadow Mix
 Refer to schedule C for details.
- Proposed Wet Meadow Grass Mix
 To swales throughout site
 Refer to schedule D for details.
- Proposed Rain Garden Planting Mix
 To rain garden area at the main entrance.
 Refer to schedule D for details.
- Proposed Mixed Species Native Hedge
 To planting bed along swales to the north and east of building.
 Refer to schedule B for details.
- Proposed Paving
 To main entrance.
 Product: Artro linear paving blocks by Tobermore or equally approved.
 Colour: Carbon and Platinum (combination)
- Proposed Concrete Surfacing to Service Yard
 To service yard south of building.
- Proposed Asphalt Surfacing to Car Park Footpath
 To engineers specification.
- Proposed Permeable Asphalt Surfacing to Car Park
 To engineers specification.
- Proposed Permeable Gravel Stabiliser to Section of Car Park

Ecological Enhancements

- Proposed Hibernacula
 5no. hibernacula located to the south east of the site
 To be constructed with local materials
- Proposed Areas of Wildflower Meadow
 Area to south east of site to be planted with wildflower mix to improve butterfly/ local species habitat
 Refer to Schedule E for details of species.
- Dingy Skipper butterfly habitat: Proposed areas of crushed limestone aggregate spread to a depth of 50-100mm to areas of bare earth as indicated on the plan (refer to ecology report for detailed description).
- Dingy Skipper butterfly habitat: Proposed areas of earth mounding to a maximum height of 300mm as indicated on the plan (refer to ecology report for detailed description).

Rev	Date	Description
P08	15.11.23	Draft Stage 4
P07	13.11.23	Draft Stage 4
P06	30.10.23	Draft Stage 4 Issue
P05	27.10.23	Further Ecological Enhancements
P04	11.07.23	Amendments to Parking
P03	16.05.23	Landscape Updates
P02	05.05.23	Site Layout Amendments
P01	14.04.23	Planning Issue

Client:
Ipsen

Project:
Ipsen NDP, Wrexham

Drawing Title:
Landscape Strategy

Job No: 330
Drawing No: LST-XX-XX-DR-L-0100
Drawn By: HA
Date: 15.11.23
Checked By: LS/SR
Date: 15.11.23
Drawing Scale: As indicated
Sheet Size: A1
Rev. P08
Status: S3 - FOR REVIEW

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