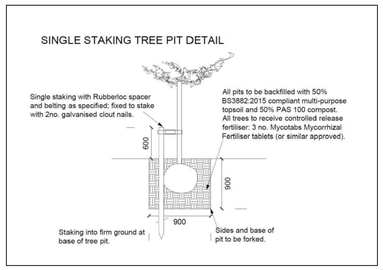
ESTABLISHEMENT SCHEDULE (YEARS 1 TO 5)

PLANTING	OBJECTIVE	OPERATION	TIME OF YEAR	FREQUENCY	YEAR
ANY PLANTING THAT IS REMOVED, UPROOTED, SEVERELY DAMAGED, DESTROYED, OR DIES WITHIN FIVE YEARS OF PLANTING SHALL BE REPLACED BY THE APPROVED TYPE PLANTING BY THE END OF THE FIRST AVAILABLE PLANTING SEASON.					
A. Trees	To ensure that trees remain in a healthy attractive and safe condition	1 Inspection by arborist 2 Removal/adjustment of stakes and ties 3 Watering 4 Other works – removal of debris in branches removal of debris in branches, epicormic growth etc. Works to TPOd trees will need planning consent. 5 Replace failed specimens like for like. 6 Dangerous/diseased material from mature trees removed by arborist and used in log piles. 7 Remove and compost fallen branches, leaves, fruit, petals etc from hard surfaces and lawns	Year round As necessary following inspection Frequently during establishment then as necessary during dry spells As necessary following inspection. Retain deadwood where safe to do so. Winter Winter or after extreme weather events Autumn, winter and at other times of year as necessary e.g. after heavy winds or dry periods	Monthly Quarterly As required. As required. As necessary As necessary Each maintenance visit after inspection	1 2-5 As req As req As req As req 1-5
B. Shrub, and herbaceous planting	To create an attractive landscape area useful to wildlife forming mosaic with flower rich grass	1 Inspection 2 Remove/adjustment of supports/shelters. 3 Watering 4 Manual weed control. Allow BF2 grass between groups of shrubs 5 Litter/debris removal 6 Top-up bark mulch 7 Strim ground flora to 5cm. 8 Replace failed specimens like for like	September to February As necessary following inspection As necessary during dry spells especially during establishment Strim/brush cut surrounding vegetation avoiding stock. As necessary following inspection November Autumn winter	Monthly Monthly As required. Monthly Monthly Annually Annually Annually	1-5 2-5 1-3 1-5 1-5 1-5 1-5 1-3
E. Flower rich grassland	Maintain grass for wildlife, aesthetic, and recreational amenity	1 Litter/Debris removal 2 Strim ground flora to 5cm. Leave hay to dry for 2 weeks allowing seed drop. .CARE TAKEN 3 NEAR TREE BASES TO AVOID DAMAGE 4 Collect dried hay and dispose of by composting. 5 Strim/mow collect and dispose of clippings edge	Before mowing or as required Late summer 2 weeks after cutting Late summer to end of season. Autumn	As required. Annually Annually fortnightly Annually	Ongoing Ongoing Ongoing Ongoing Ongoing
F. Artificial habitat features	Maintain or further enhance ecological value	1 Inspection (external) note: internal inspection of bat boxes to be done under EPS licence only 2 Repair, refix or replace as required. Emergency moving of bat boxes can be done without a licence if there is immediate danger to the bats. All work to bat boxes to be reported to Dr Stefan Bodnar 07429209549 3 Rebuild log piles where required with pruned/fallen limbs >100mm dia cut to suitable length	Winter or after extreme events	Annually Following inspection Following inspection or as suitable material is generated (see A Trees)	Ongoing Ongoing Ongoing
AVOID CREATING SLIP AND TRIP HAZARDS OR BARRIERS TO MOVEMENT FOR RESIDENTS. PATHS, PATIOS AND WALKWAYS TO BE KEPT FREE FROM DEBRIS, EQUIPMENT, MATERIALS AND OTHER TRIP HAZARDS AT ALL TIMES.					

TREE PLANTING DETAIL (NTS)



BRITISH FLORA ACID GRASSLAND MIX BFS2

Sowing Rate: 5g/m2
Contains: Wildflowers 20% (16 species) Grasses 80% (5 species)

N.B: All seeds specified in this mixture are subject to availability at the time of purchase.

20% Wildflowers:

- 7% *Achillea millefolium* – (Yarrow)
- 0.5% *Campanula rotundifolia* – (Harebell)
- 12% *Centaurea nigra* – (Black knapweed)
- 0.5% *Galium saxatile* – (Heath bedstraw)
- 11% *Galium verum* – (Lady's bedstraw)
- 1% *Hieracium pilosella* – (Mousear hawkweed)
- 4% *Hypochaeris radicata* – (Common cat's-ear)
- 11% *Lotus corniculatus* – (Common bird's-foot trefoil)
- 5% *Onobrychis vicifolia* – (Sainfoin)
- 1% *Potentilla erecta* – (Tormentil)
- 14% *Prunella vulgaris* – (Selfheal)
- 12% *Ranunculus acris* – (Meadow buttercup)
- 9% *Rumex acetosella* – (Sheep's sorrel)
- 6% *Stachys officianlis* – (Betony)
- 5% *Succisa pratensis* – (Devil's-bit scabious)
- 1% *Teucrium scorodonia* – (Wood sage)

80% Grasses:

- 5% *Agrostis capillaris* – (Common bent)
- 5% *Anthoxanthum odoratum* – (Sweet vernal grass)
- 40% *Cynosurus cristatus* – (Crested dog's-tail)
- 2% *Deschampsia flexuosa* – (Wavy hair grass)
- 48% *Festuca ovina* – (Sheep's fescue)

Planting Schedule & Abbreviations

Herbaceous

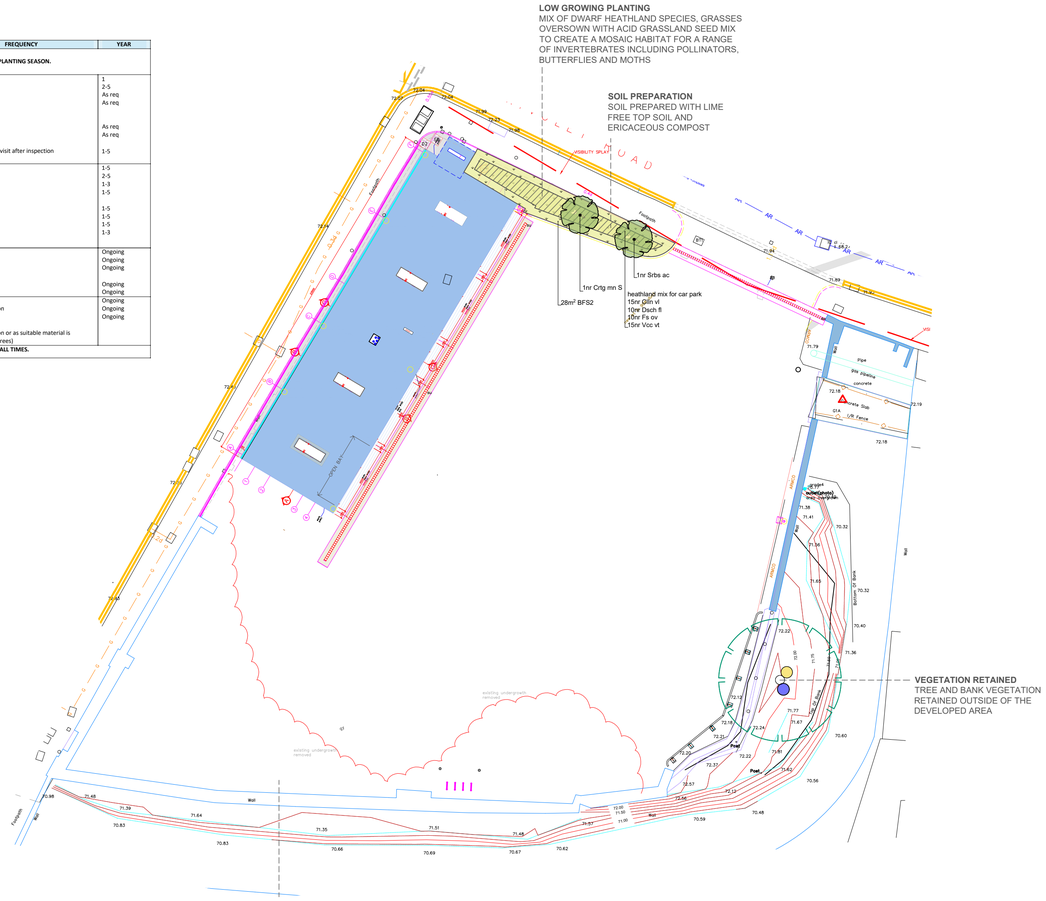
Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Ctrs	Qty
Dsch fl	Deschampsia flexuosa								0.500	10
Fs ov	Festuca ovina						C	1L	0.500	10
										20

Shrub

Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Ctrs	Qty
Clln vl	Calluna vulgaris						C	1L	0.500	15
Vcc vt	Vaccinium vitus-idaea								0.500	15
										30

Tree

Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Ctrs	Qty
Crtg mn S	Crataegus monogyna 'Stricta'	2x	250-300cm	Standard	8-10cm	175-200cm	B			1
Srbs ac	Sorbus aucuparia		200-250cm	Feathered			C	15L		1
										2
										52



GENERAL PLANTING NOTES

General Planting Notes: All plant material to be supplied in accordance with HTA National Plant Specification. All planting to be local provenance wherever possible and from local supplier. All plants to be healthy, hardened-off and with good fibrous root systems and to comply with the requirements of BS3936 Specification for Nursery Stock. All planting to be undertaken in accordance with BS4428 Code of Practice for General Landscape Operations. All plants to be protected from wind exposure at all times. All plants to be soaked in water for several hours prior to planting and to be well watered in. No planting to be carried out during poor weather conditions, i.e. when ground is frozen, waterlogged, or during droughts, hot sunshine or persistent dry or cold winds. All plant material to receive enough water to ensure healthy establishment. All work within existing tree root zones to be conducted by hand

Times of year for planting:	Turf: Anytime of year except in frozen, droughted or waterlogged conditions
Deciduous trees and shrubs: Late November to late March.	Conifers and evergreens: September/ October or April/ May.
Bare rooted stock: Mid-November to end February.	Container grown stock - Any time of year as providing adequately watered, autumn planting desirable
	Seed sowing – Autumn (or early Spring)

Site Preparation
Clearance: Clearance to comply with all relevant legislation including the Wildlife and Countryside Act (1981). Removal of trees and shrubs should not be conducted during the nesting season (March-July inclusive) and due regard to protected to be made during site clearance. Work to stop immediately where contravention of legislation is likely and a suitably qualified Ecologist consulted. Gardens shall be free from old foundations, concrete bases and other similar obstructions. Before top soiling the formation is to be loosened to a depth of 150mm by harrowing or ripping to assist in natural draining of the land All coarse rubble, and artefacts greater than 75mm in diameter exposed by ripping operations shall be removed to a licensed facility. Subsoil grading of the site shall leave landscape areas with smooth flowing contours to achieve the specified finished levels when top soiled. Prior to top soiling, subsoil formation should be ripped and loosened to a minimum depth of 450mm. Imported subsoil shall be in accordance with BS3882 for amenity use.
Cultivation: Cultivate the soil of all areas prior to seeding and planting. This should include loosening, aerating and breaking up soil into particles 2-8mm to depth of 150mm. Remove any undesirable material brought to surface to a depth of 100mm including visible weeds, roots and large stones or clay balls with any dimension exceeding 30mm. Final Cultivation, topsoil shall be brought to a fine tilth by approved mechanical means or by hand raking, and if necessary re-grading of the surface will be carried out to conform to the prescribed finished levels.
Top-soiling: topsoil to general planting and grass seeded areas to be to BS3882: 2007 Multipurpose Grade. Topsoil must be free from pernicious weeds and roots, clay lumps, non-soil materials, brick or other building materials, foreign matter and chemical contamination. Topsoil should be spread evenly over areas to be seeded and planted. Minimum topsoil depths after settlement shall be: Flower rich grass 50mm; Grass-150mm, Shrubs- 450mm and Trees-750mm. Topsoil shall be spread in layers not exceeding 150mm and firm each layer before spreading the next. At the time of laying, both material and weather should be reasonably dry. Soil levels should be 30mm higher than adjacent kerbs and paving after settlement and married in with existing soil levels.
Weed Treatment: All areas to be kept free of regrowth through mechanical means removing tap roots and rhizomes and uprooting seedlings to create a stale seed bed.

Planting, Seeding and Turfing: Tree Planting: Trees to be pit planted, Excavate tree pits with slightly raised centre. Retain topsoil for re-use. Dig a hole which is substantially bigger than the volume of roots to be accommodated. Break up and loosen the base and sides of the pit. The trees will be planted to the same depth as they were in the nursery. Back fill the pit in stages, whilst firming up the soil around the roots until the original ground level is restored. Install RootRain irrigation pipe around root ball to manufacturer's instructions during backfilling. Tree pits to be filled with 1:3 mixture of compost and topsoil. Topsoil to contain peat free organic matter and slow-release tree and shrub fertiliser to be incorporated into each pit. Standard trees: short single stake and adjustable rubber tie. Stakes to be first grade pressure impregnated round timber with chamfered tops. Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately one third of the tree height above ground level. Tying: secure tree firmly but not rigidly to stake with ties within 25mm of top of stake. Where under-planting is required this is to be done after the tree planting has been completed.
Hedge Planting: Prepared soil should be enriched with bulky organic matter at a rate of 4l per m^2 to a depth of 30cm. Plants to be pit planted to the same depth they were grown in the nursery (to the soil line) with sufficiently large pit to accommodate root system without bending roots. Each tree/shrub to be staked with a 90cm bamboo cane and secured. Randomly mixed native hedges planted as bare rooted whips over the winter months in a double staggered row 30cm between the rows and 33cm between plants. Water sufficiently then mulch with minimum 50cm of bark mulch.
Shrub and Herbaceous Planting: Prepared soil should be enriched with bulky organic matter at a rate of 4l per m^2 to a depth of 30cm. Plants to be pit planted to the same depth they were grown in the nursery (to the soil line) with sufficiently large pit to accommodate root system without bending roots. Water sufficiently then mulch with minimum 50cm of bark mulch (rear gardens and shared space) 30mm 10mm dove grey limestone chippings (front gardens)
Seeding: Stale seed bed created within the at the first opportunity after hedge planting and fence erection. Soil consolidated and hand cultivated to create a fine tilth at least 14 days before sowing. Re cultivate prior to sowing to removed seed bank regrowth and create a stale seed bed. Mix seed with an inert carrier e.g. silver sand at a rate of 50 parts sand to 1 part seed. Broadcast sow Autumn or Spring at a rate of 5g per m2 on the seed bed over the area over several passes to ensure even cover. Rake into the soil and irrigate if dry
Mulch: ornamental fine grade mulch to all shrub/ herbaceous beds and ornamental trees in grass. Coverage: planted ornamental trees to 75 mm depth, 50mm depth to hedgerows and shrub planting. Finished level of mulch: 30 mm below adjacent grassed or paved area. As part of good horticultural practice, use peat-free composts, mulches and soil conditioners
Planted areas are to be kept weed free manually. Mulch and Compost Materials General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life. Sanitized and stabilized compost and spent mushroom compost. Mulch to be fine grade bark mulch. Purity: Free of pests, disease, fungus and weeds. Preparation: Clear all weeds. Water soil thoroughly. Any losses in the first five years to be replaced like for like during the first planting season after loss.

MONITORING AND MAINTENANCE
Monitor all planting, turf and seeding to ensure soil moisture is maintained for effective establishment and growth via installed irrigation system for a minimum 36 months.
Monitoring visits Year 1-3: (set as minimum) Last week in March – 1 visit; April – September (inclusive) 3 visits; each month with more in dry conditions as required; Early October – 1 visit.
Year 2 to 5 Monitor, watering as required.
Any losses in the first five years replace like for like in first planting season after loss. Adjust ties on trees as required. Remove all supports and shelters once trees and shrubs are established (year 2 to 5) and dispose of materials by reuse or through recycling where available

NEST BOX AND BIRD BOX TYPES



BILBAO WOODSTONE HOLE NEST BOX MOUNTED ON NE SIDE OF TREE >3m FROM THE GROUND



VIVARO INTEGRATED BAT BOX PLACED >4m ABOVE GROUND ON SE SIDE AND AWAY FROM LIGHT SOURCES

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KEY

- NATIVE DWARF SHRUB AND GRASS PLANTING
- FLOWER RICH GRASS
- NEW NATIVE TREE
- EXTENT OF NNIS VEGETATION REMOVED
- RETAINED TREE
- RETAINED BANK AND VEGETATION ALONG WATERCOURSE

REV:	DESCRIPTION:	BY:	DATE:

STATUS: PLANNING ISSUE

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LANDSCAPE ARCHITECT: DJOGS Ltd
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Pelsall
Walsall WS3 4PD

SITE: 1 Salop Road
Wrexham

TITLE: Landscape and Ecological Enhancement Scheme

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:100	07/07/2025	CJ	DJ
PROJECT NO:	DRAWING NO:		REVISION:
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