



Tree and Shrub Planting General
Prior to planting topsoil shall be moist, friable and not waterlogged. Carry out planting during suitable weather conditions, do not plant during frozen or windy conditions. Where beds are overgrown with weeds apply herbicide in accordance with manufacturers recommendation. Allow fallow period before cultivation. Container grown plants can be planted at any time of year if ground and weather conditions are favourable. Bare root trees and shrubs can be planted from late October to March. All plants shall be as specified, undamaged, sturdy, healthy and vigorous. They shall be free from pests, diseases, discoloration and physiological disorders. Name, form, dimensions, provenance and other criteria shall be as defined in The National Plant Specification. All plant handling shall be in accordance with HTA 'Handling and Establishing Landscape Plants'. All plants shall be stored in a secure environment and protected from site operations and over exposure to adverse weather conditions. Where topsoil is compacted it shall be broken up to a depth of no less than 350mm into particles of 2-8mm, with the surface left regular and even. Levels shall be 25mm above kerbs and hardstandings and 50mm above adjacent grass areas. Remove all visible weeds, roots and large stones exceeding 30mm. Do not cultivate soil within rootspread of existing trees and shrubs. All plants shall be planted upright or well balanced with best side to front. MycoForce Transplanter shall be spread around the roots of each plant during planting at a rate specified by the supplier.

Works Cleanliness
Remove any soil and arisings from adjacent hard surfaces and leave works in a clean, tidy fashion at completion.

Watering
Water all plants immediately after planting, thoroughly and without damaging or displacing plants or soil.
Bark Mulch
All planting areas to receive 75mm depth of Melcourt Ornamental grade bark mulch unless otherwise directed. Hedges to receive 1m wide, 75mm depth of bark mulch to base. Individual trees in grass to have 75mm depth, 600mm diameter bark mulch to base.

Notes
All soft landscape works to be carried out in accordance with the following guidelines;
BS4428:1989 Code of Practice for General Landscape Operations.
BS8545:2014 Trees from Nursery to Independence in the Landscape. Recommendations.
All new planting stock shall comply with the following guidelines;
BS4043:1989 Transplanting root-balled trees
BS3936:1992 Nursery Stock Part 1. Specification for Trees and Shrubs.
Follow good modern horticultural practice in any proposed soft landscaping.
Planting compost shall be entirely free of peat. Proprietary products based on composted straw, manure or coir are acceptable, but products based on wood chips or bark shall not be used.

Proposed Native Hedgerow

To be planted at 5 plants per linear metre in double staggered row. All with spiral rabbit guards and secured with bamboo cane. Plant at 750mm from fence boundary. Areas for planting shall be treated with a translocated herbicide such as Glyphosate to clear any existing weeds before planting, the ground shall be cultivated to a depth of 300mm. Whips shall be pit planted, with backfill mixed with 70grams of Enmag slow release fertiliser. All stock delivered to site shall be of proven British provenance, a certificate shall be provided to the Landscape Architect to prove provenance of plants prior to delivery to site.
Dip all roots into MycoForce Whip Dip prior to planting. Add 75mm deep 1m wide amenity barm mulch.

Typical Hedge Planting Plan (NTS)

Boundary or fence

Hedge planting centre line

Mix	Native Hedge	NH1	NH2	NH3	NH4	Size	Tls
10%	Acer campestre	10	17	15	35	1+1 80-100 br	77
10%	Corylus avellana	10	17	15	35	1+1 80-100 br	77
50%	Crataegus monogyna	50	85	75	175	1+1 80-100 br	385
10%	Ilex aquifolium	10	17	15	35	60-90 3L	77
15%	Prunus spinosa	15	26	23	53	1+1 80-100 br	117
5%	Rosa canina	5	9	8	18	1+1 40-60 br	40

Proposed Native Scrub/Shrub Planting

To be planted within the specified areas shown below at 1m centres. Areas for planting shall be treated with a translocated herbicide such as Glyphosate to clear any existing weeds before planting. After herbicide has taken effect cultivate the area to a coarse tilth 250mm deep. Whips shall then be pit planted, with backfill mixed with 70grams of Enmag slow release fertiliser. Gently firm in by treading. All stock delivered to site shall be of proven British provenance, a certificate shall be provided to the Landscape Architect to prove provenance of plants prior to delivery to site. All to have Tubex Netguard, 60cm high and 150mm diameter, dark green colour. To be fixed to firmly anchored softwood timber stakes using 2no. plastic cable ties. Dip all roots into MycoForce Whip Dip prior to planting. Contact supplier for application details, Tel: English Woodlands Burrow Nursery 01435 862992.

Plant Numbers for Native Planting Areas

No	Species	NPL	NPI	Size	Tls
10	Betula pendula	35	16	1+1 80-100 br	51
20	Corylus avellana	70	33	1+1 80-100 br	103
40	Crataegus monogyna	140	65	1+1 80-100 br	205
15	Ilex aquifolium	53	24	1+1 80-100 cg	77
5	Rosa canina	18	8	1+1 80-100 br	26
10	Viburnum opulus	35	16	1+1 80-100 br	51

Wildflower / Grass Mix

Sow Naturescape NV5 Long Season Meadow Mixture, or equivalent, in accordance with suppliers instructions. Sow at 5g/m2.

Grass seeding to sides of attenuation basin

To be seeded with Emorsgate EM8 – MEADOW MIXTURE FOR WETLANDS at 5g/m2. Refer to supplier for ground preparation and seeding instructions.

Hedgerow Seed Mix

To be seeded with Emorsgate EH1 HEDGEROW MIX at 5g/m2. Refer to supplier for ground preparation and seeding instructions.
Area shown indicative only and dependent on final ground reinstatement works.

Wildflower Grass Seeding General
Ensure the ground that is not highly fertile by use of subsoils and does not have a problem with perennial weeds. Good preparation is essential to success so aim to control weeds and produce a good quality seed bed before sowing. Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading, to give good soil/seed contact.
Cultivate soil to depth of 25mm including all consolidation, rolling, harrowing or raking to achieve a firm, fine tilth suitable for seeding. The seed bed shall be free from unevenness, hollows, depressions and soft areas so that an evenly graded grass surface can be achieved.
The seed bed should be evenly graded to finish 25mm above adjoining paving, kerbs etc after settlement. Ensure free flowing contours and marrying in to adjacent grass areas.
Remove all weeds, and remove stones, grass sods and other debris exceeding 20mm in any dimension and all roots exceeding 15mm diameter or 200mm length.

Topsoil and Subsoil
Do not use subsoil contaminated with bricks, concrete, hardcore, rubbish or other materials that are corrosive, explosive or flammable, hazardous to human or animal life and are detrimental to plant life. Subsoil shall be excavated and or placed to required profiles and levels. When ground conditions are reasonably dry, subsoils shall be loosened to a depth of 300mm and all stones larger than 50mm shall be removed. Where existing topsoil on site is deficient and requires topping up, all imported topsoil shall be in accordance with BS3882:2015 and with NHBC requirements. Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive or flammable, hazardous to human or animal life and are detrimental to plant life. Topsoil shall be stored in heaps no higher than 1m and wider than 2m and shall be protected from contamination and compaction. Following spreading, topsoil areas shall be cultivated to suitable depth and tilth when weather is suitably dry and the surface shall be left regular and even, levels shall be 25mm above adjacent kerbs and 50mm above lawns. Any visible weeds, roots and large stones shall be removed. Do not compact topsoil, and ensure a friable texture of separate visible crumbs.
Recommended depth after settlement:
Grass Areas: 100mm / Shrub Areas: 300 to 450mm

The copyright to this drawing belongs to ISL Associates Ltd (Ian Stemp Landscape Associates) and shall not be reproduced without their written consent.
Do not scale from this drawing.

KEY & NOTATION

- Plot Boundary
- Existing Retained Vegetation
- Existing Vegetation to be removed
- Existing Buildings
- Proposed Buildings
- Timber Post & Rail Fence
- Timber Acoustic Fence
- Proposed Tree Planting

The excavated hole shall be of sufficient size to accommodate the root-ball or container, allowing approximately 500mm clearance.
Before planting the sides of the pit shall be broken up and the base dug over to a depth of 150mm to improve drainage. The tree will be planted to the same depth as it was in the nursery. Backfill will be firmed in around the rootball to prevent any air pockets.
The pit shall be backfilled with a ¾ mix of good quality topsoil and an non peat based compost. 140gms of Enmag granular slow-release fertiliser shall be incorporated to the fill mixture.
Root Barriers
Where an installed rootball is within 3m of an existing underground service route install protective root barrier with sides vertical and finished 75mm below finished ground level. To be Greenleaf ReRoot 2000 or similar approved.
Trees in soft ground
Trees shall be double staked and fixed to horizontal crossbar using rubber strapping, with rubber block positioned between the tree and cross bar.
Stakes shall be 60mm diameter treated softwood, driven firmly into ground either side, and not through the rootball, with tree central between the stakes. The above ground height of the stake should be a minimum of a third of the stem high. All trees to receive perforated watering pipes surrounding root ball.
Tree Aftercare
Any necessary formative pruning will be carried out and where appropriate woodchip/bark mulch applied to a depth of 75mm, and to at least the edge of the planting pit.
A properly planned maintenance programme should be kept up until successful establishment of the trees. This may include watering when necessary, checking of the support systems, weed control and further mulching.

Tree Pit and Staking Detail (NTS)

Revisions	Dwn.	Date
-----------	------	------



Project
Upton Steel, Stanton Lane
Markfield, Leicester

Drawing
Detailed Landscape Proposals 1 of 2

Status
For Planning, Tender & Construction

Date
21.08.2023

Dwg. No.
23.1797.001

Revision
-

Drawn
cin

Checked
ciC

Francis House, Coventry Road
Burbage, Leics LE10 2HL
T. 01455 611 950

Ian Stemp
Landscape Associates

Landscape Architecture Landscape & Visual Assessment Arboriculture Ecology

PLANT SCHEDULE								
SPECIES		Girth	Height	Root	Pot Size	Habit	Breaks	Nos.
TREES								
T1	Acer campestre	14-16cm	4.0-4.5m	br	EHStd			10
T2	Prunus avium	14-16cm	4.0-4.5m	br	EHStd			5
T3	Quercus robur	14-16cm	4.0-4.5m	br	EHStd			16
THREE LITRE SHRUBS								
Hh	Hedera helix			CG	3LT	not caned		93
LM	Lonicera 'Maygreen'			CG	3LT			155
HEDGES								
Cb	Carpinus betulus		90-120CM	BR				276