SOFT LANDSCAPE PROPOSALS

METHOD

General notes

Planting material and workmanship to minimum BS3936: Pt 1: 1992 and BS 8545: 2014.

Protection

The off-site planting beyond the western boundary of the site will be protected before and during constriction with a barrier to Fig 3 BS5837 (example on plan) located not less than 3.5m from the fenced boundary.

The connection for the storm water outfall to the west will be dug by hand using hand tools only within the 3.5m offset zone.

Ground Preparation

The areas for planting within the 3.5m offset from the extant planting off the western boundary will not be stripped or excavated.

Where required, the sub-soil will be graded and any detritus removed

Areas for planting will receive a minimum of 300mm of topsoil.

Areas for wildflower seeding will receive a minimum of 150mm of topsoil

Topsoil will be as-dug from site or imported to BS3882: 2015

Topsoil will be laid and lightly consolidated in layers 150mm thick to the required finished level

Setting-out

Trees: As-per the landscape proposal drawing.

Understorey: To be planted in spaces between trees not less than 1m apart in species groups of not less than 6 and not more than 24.

Shrubs: As-per the landscape proposal drawing. Planted equidistant between plants and boundaries. Adjusted on site to suit any site-specific obstacles such as rodding eyes, paving etc.

Hedges: All hedges to be planted at a rate of 5 plants per linear metre in double staggered rows.

Wet Swale Margins: Once specified, the shrubby plants will be set out in species groups of 3-6 plants. Perennial marginal plants will be in 1 – 5m² groups.

Planting

Tree Pits: To be dug to the depth of the container or root spread plus 150mm. Contractors will allow for the time it may take to increase planting pit size and remove any buried obstacles.

Container grown shrubs: to be planted in holes dug by hand to the depth and diameter of the container plus 150mm in each dimension.

Bare-root plants: to be planted in slits or pits according to root system. Nursery depth will be strictly adhered to. All roots will be orientated in the natural direction of growth.

Backfilling: Un-amended material as dug from tree pit or shrub hole, compressed around roots in layers no more than 150mm thick

Tree support

Stakes: Softwood, free from projections and large or edge knots and with pointed lower end.

One stakes will be driven vertically into the bottom of the tree pit on the south east site of the tree position before planting.

Soil will be consolidated around the stake during backfilling.

Stakes will be cut off to 1500mm above ground

The trees will be secured to the cross piece using 'Toms Buckle Belt' tree ties.

Season

Planting to be carried out in the first planting season (Mid November – end of March approx.) after construction is completed.

Planting will not be carried out during frosty weather or when the ground is waterlogged.

PLANTING SCHEDULE

Screening Trees

Species	Common name	Size (cm girth)	Type	Total required
Acer campestre	Field Maple	10-12	CG/BR	17
Alnus glutinosa	Alder	10-12	CG/BR	43
Betula pendula	Silver Birch	8-10	CG/BR	22
Corylus avellana	Hazel	1.2m multi-stem	CG	32
Ilex aquifolium	Holly	2m	CG/RB	5
Malus sylvestris	Crab Apple	8-10	CG/BR	22
Prunus avium	Wild Cherry	8-10	CG/BR	22
Quercus ilex	Evergreen Oak	10-12	CG/BR	1
Quercus robur	Common Oak	10-12	CG/BR	6
Sorbus aucauparia	Mountain Ash	8-10	CG/BR	21
Thuiya plicata	Western Red Cedar	2m	CG/RB	17

CG = Container-grown stock; BR = Bare root stock ; RB = Root Ball
Size/type: As-per schedule

Screening Understorey

Species	Size	Type	Total required
Cornus sanguinea Dogwood)	45cm-60cm	BR	1830
Ligustrum vulgare (Privet)	45cm-60cm	BR	915
Rosa canina (Dog Rose)	45cm-60cm	BR	460
Viburnum lantana (Wayfaring Tree)	45cm-60cm	BR	686
Viburnum opulus (Guelder Rose)	45cm-60cm	BR	686

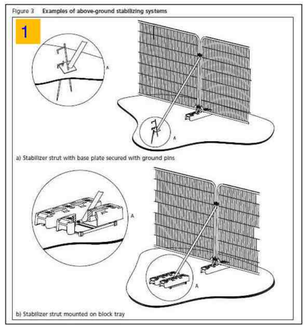
BR = Bare root stock Size/type: As-per schedule

Site Trees

Species	Common name	Size (cm girth)	Type	Total required
Crataegus 'Paul's Scarlet'	Hawthorn	8-10	CG	2
Malus baccata 'Street Parade'	Crab Apple	10-12	CG	6
Sorbus aria 'Lutescens'	Whitebeam	8-10	CG	9
Malus cv.	Apple Tree	6-8	CG/BR	15
Prunus domestica cv.	Plum Tree	6-8	CG/BR	3
Pyrus communis cv.	Pear Tree	6-8	CG/BR	2

CG = Container-grown stock BR = Bare root stock Size/type: As-per schedule
Possible supplier: Barcham Trees Plc, Eye Hill Drove, Ely, Cambridgeshire, CB7 5XF. Tel: 01353 720 748; Email: sales@barchamtrees.co.uk

Figure 3 **Examples of above-ground stabilizing systems**



Hedge (Southern Boundary and Storage Yard)

Species	Size	Type	Total required
Cornus sanguinea Dogwood)	45cm-60cm	BR	197
Crataegus monogyna (Hawthorn)	45cm-60cm	BR	789
Ligustrum vulgare (Privet)	45cm-60cm	BR	131
Prunus spinosa (Blackthorn)	45cm-60cm	BR	197

BR = Bare root stock Size/type: As-per schedule

Hedge (Parking Areas)

Species	Size	Type	Total required
Carpinus betulus (Hornbeam)	60-90cm	BR	620

CG = Container-grown stock Size/type: As-per schedule

Shrub planting

Species	No/M	Pot Size	Type	Total required
Bergenia cordifolia 'Silberlicht'	5	2ltr	CG	30
Epimedium rubrum	5	13cm	CG	70
Euonymus 'Silver Queen'	3	2ltr	CG	35
Hebe pinguifolia 'Pagei'	5	2ltr	CG	100
Lavandula stoechas	5	2ltr	CG	90
Mahonia aquifolium 'Apollo'	3	3ltr	CG	60
Rosa 'Nozomi'	3	3ltr	CG	156
Vinca minor 'Variegata'	5	13cm	CG	90

Marginal planting (to be chosen once engineering is finalised)

Species	No/M	Size	Type	Total required
Caltha paulustris (Marsh Mariegold)	10	-	-	TBA
Cornus alba 'Sibirica'	2	2ltr	CG	24
Eupatorium cannabinum (Hemp agrimony)	10	-	-	TBA
Filipendula ulmaria (Meadowsweet)	10	-	-	TBA
Iris pseudacorus (Iris)	10	-	-	TBA
Lysimachia nummularia (Creeping Jenny)	10	-	-	TBA
Lythrum salicaria (Purple Loostrife)	10	-	-	TBA
Salix caprea	1	3ltr	CG	8

CG = Container-grown stock Size/type: As-per schedule

MAINTENANCE

Trees and shrubs will be maintained for a period of five years in accordance with the following table:

Year/ Operation	1	2	3	4	5
Watering	Every three weeks from May to August	Every three weeks from May to August	Only if drought conditions persist	Only if drought conditions persist	Only if drought conditions persist
Weeding	Every three weeks from May to August	Every three weeks from May to August	Three visits	Three visits	Three visits
Pruning	None	Lift crowns of trees to 2m	Lift crowns of trees to 2m. Remove tree stakes	Lift crowns of trees to 2m	Lift crowns of trees to 2m
Check	September	September	September	September	September

Definitions

Watering means bringing the ground to field capacity. Do not water if waterlogging or anaerobic conditions are suspected.

Weeding means the removal of all competing plants to a radius of 1m from the centre of the tree or plant.

Pruning will be to the minimum standard of BS3998: 2010 'Treework' and all arisings will be removed from site and recycled or sent to an approved tip.

Check will include the security of support, the presence of pests or disease, crown dieback, vandalism, accidental damage or death. Any findings will be noted and appropriate action taken following advice from a horticultural professional.

Replacement

Trees that fail within 5 years of planting will be replaced and maintained in accordance with the original specification.

WILDFLOWER MEADOWS

The areas denoted by the 'plus' hatch on the drawing will be seeded with 'Germinal WFG2' wildflower meadow seed mix.

The ground will be cleared of competing weeds through the application of a systemic herbicide containing glyphosate, applied 3-6 weeks before seeding.

The ground will be cultivated to a medium tilth.

The ground will not be improved with fertiliser.

Seed will be sown in the first spring or autumn after practical completion at a rate of 5g/m2 using a carrier such as silver sand.

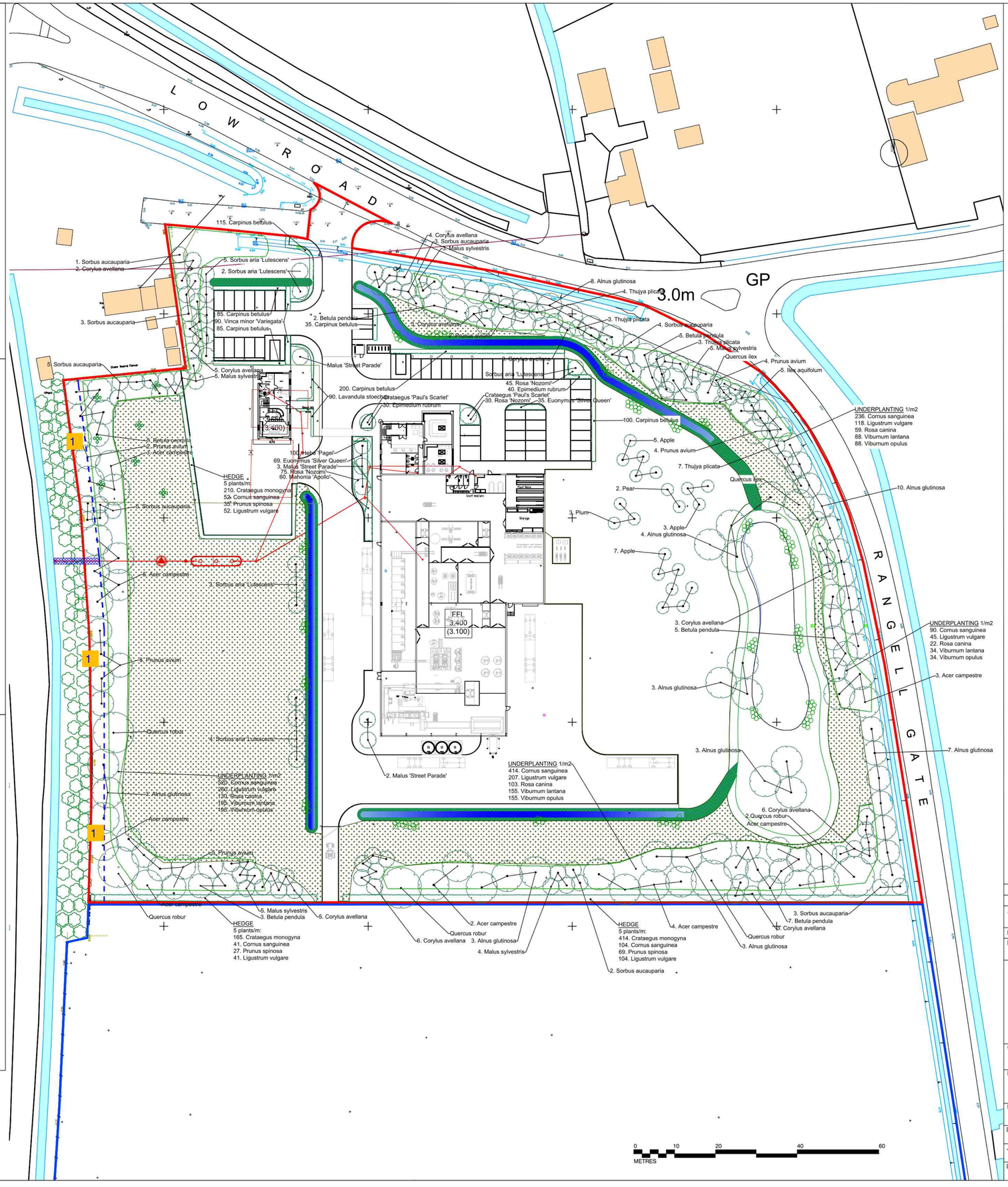
The wildflower areas will be maintained in accordance with the following tables:

AUTUMN SOWN (First year)	
March	Cut to 4-7cm if there is sufficient material
May	Cut to 4-7cm in early May
September	Cut to 4cm after flowering. In all cases, remove the clippings
Maintenance thereafter: March/April	Cut to 4-7cm to remove excess grass
September/October	Cut to 4cm after flowering. In all cases, remove the clippings

SPRING SOWN (First year)	
6 weeks after sowing	Cut to 4-7cm if there is sufficient material
May	Cut to 4-7cm if sufficient material (sward at 10cm or above)
September/October	Cut to 4cm. In all cases, remove the clippings
Maintenance thereafter: March/April	Cut to 4-7cm to remove excess grass
September/October	Cut to 4cm after flowering. In all cases, remove the clippings

Source: Germinal "Wild Flora Maintenance Guide"

Accessed via: https://www.germinal.com/cmsfiles/Wild_Flora_Maintenance_Guide.pdf



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NOTES: Based on topographical survey and drawings 3899 P01 and 0145-JCE-00-SI-DR-3000A

The original of this drawing was produced in colour – a monochrome copy should not be relied upon

KEY

- Proposed Tree
- Proposed Planting
- Wildflower seeding
- Indicative marginal planting
- Existing off-site planting
- BARRIER TO FIG 3. BS5837 1
- HAND DUG TRENCH

Rev	Description	Date
A	Additional evergreen cover added to northern boundary	09.11.21

Purpose of Issue
Planning

Rutland Associates Landscape Design
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Uppingham
Oakham
LE15 9TX
t: 01572 823637
e: info@belsontreesurvey.co.uk

Client
Naylor Farms

Project
Plant based protein extraction facility, Low Road, Spalding

Drawing Title
Soft Landscape Plan

Drawn	Checked	Reviewed	Date
AMB	--	--	09/11/2021
Job No.	Scale	Sheet Size	Revision
4427	1:500	A1	A

Drawing Number
4427.Naylor.P&R.LPP