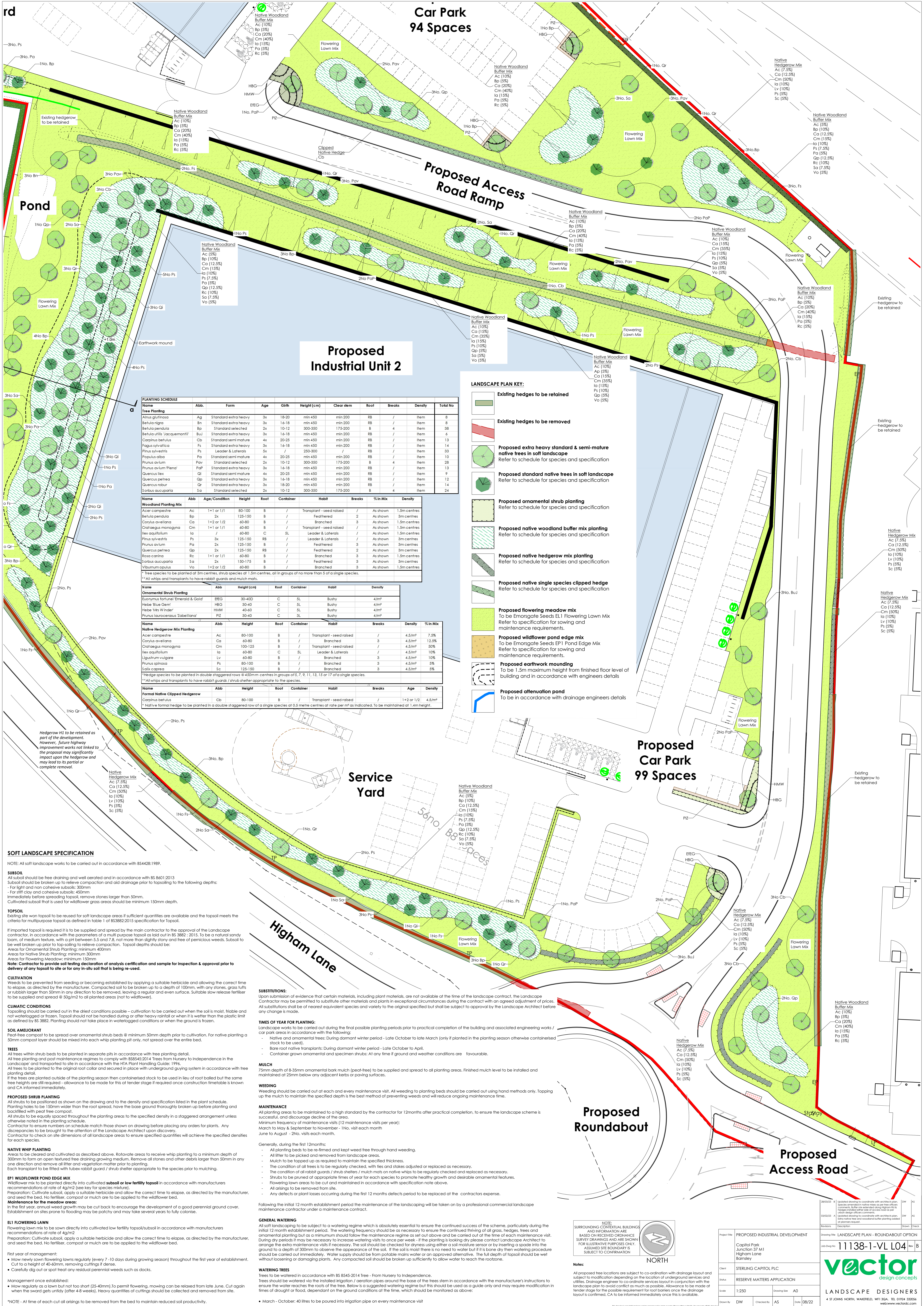




rd

Car Park
94 Spaces

Pond

Proposed Access
Road Ramp

Proposed
Industrial Unit 2

Proposed
Car Park
99 Spaces

Service
Yard

Proposed
Roundabout

Proposed
Access Road

SOFT LANDSCAPE SPECIFICATION

NOTE: All soft landscape works to be carried out in accordance with BS4428:1989.

SUBSOIL
All subsoil should be free draining and well aerated and in accordance with BS 8601:2013
Subsoil should be broken up to relieve compaction and aid drainage prior to topsoiling to the following depths:
- For light and non cohesive subsoils: 300mm
- For stiff clay and cohesive subsoils: 450mm
Immediately before spreading topsoil, remove stones larger than 50mm.
Cultivated subsoil that is used for wildflower grass areas should be minimum 150mm depth.

TOPSOIL
Existing site won topsoil to be reused for soft landscape areas if sufficient quantities are available and the topsoil meets the criteria for multipurpose topsoil as defined in table 1 of BS3882:2015 specification for topsoil.

If imported topsoil is required it is to be supplied and spread by the main contractor to the approval of the Landscape contractor, in accordance with the parameters of a multi purpose topsoil as laid out in BS 3882 : 2015. To be a natural sandy loam, of medium texture, with a pH between 5.5 and 7.8, not more than slightly stony and free of pernicious weeds. Subsoil to be well broken up prior to top-soiling to relieve compaction. Topsoil depths should be:
Areas for Ornamental Shrub Planting: minimum 400mm
Areas for Native Shrub Planting: minimum 300mm
Areas for Flowering Meadow: minimum 150mm
Note: Contractor to provide soil testing declaration of analysis certification and sample for inspection & approval prior to delivery of any topsoil to site or for any in-situ soil that is being re-used.

CULTIVATION
Weeds to be prevented from seeding or becoming established by applying a suitable herbicide and allowing the correct time to elapse, as directed by the manufacturer. Compacted soil to be broken up to a depth of 100mm, with any stones, grass tufts or rubbish larger than 50mm in any direction to be removed, leaving a regular and even surface. Suitable slow release fertiliser to be supplied and spread @ 50g/m2 to all planted areas (not to wildflower).

CLIMATIC CONDITIONS
Topsoiling should be carried out in the driest conditions possible - cultivation to be carried out when the soil is moist, friable and not waterlogged or frozen. Topsoil should not be handled during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882. Planting should not take place in waterlogged conditions or when the ground is frozen.

SOIL AMELIORANT
Peat-free compost to be spread over ornamental shrub beds @ minimum 50mm depth prior to cultivation. For native planting a 50mm compost layer should be mixed into each whip planting pit only, not spread over the entire bed.

TREES
All trees within shrub beds to be planted in separate pits in accordance with tree planting detail.
All tree planting and post maintenance regimes to comply with BS8545:2014 'Trees from Nursery to Independence in the Landscape' and transported to site in accordance with the HTA Plant Handling Guide: 1996.
All trees to be planted to the original root collar and secured in place with underground guying system in accordance with tree planting detail.
If the trees are planted outside the planting season then containerised stock to be used in lieu of root balled but the same tree heights are still required - allowance to be made for this at tender stage if required once construction timetable is known and CA informed immediately.

PROPOSED SHRUB PLANTING
All shrubs to be positioned as shown on the drawing and to the density and specification listed in the plant schedule.
Planting holes to be 150mm wider than the root spread, have the base ground thoroughly broken up before planting and compacted with peat free compost.
All shrubs to be equally spaced throughout the planting areas to the specified density in a staggered arrangement unless otherwise noted in the planting schedule.
Contractor to ensure numbers on schedule match those shown on drawing before placing any orders for plants. Any discrepancies to be brought to the attention of the Landscape Architect upon discovery.
Contractor to check on site dimensions of all landscape areas to ensure specified quantities will achieve the specified densities for each species.

NATIVE WHIP PLANTING
Areas to be cleared and cultivated as described above. Rotate areas to receive whip planting to a minimum depth of 300mm to form an open textured free draining growing medium. Remove all stones and other debris larger than 50mm in any one direction and remove all litter and vegetation matter prior to planting.
Contractor to ensure numbers on schedule match those shown on drawing before placing any orders for plants. Any discrepancies to be brought to the attention of the Landscape Architect upon discovery.
Contractor to check on site dimensions of all landscape areas to ensure specified quantities will achieve the specified densities for each species.

E1 FLOWERING LAWN
Flowering lawn mix to be sown directly into cultivated low fertility topsoil/subsoil in accordance with manufacturers recommendations at rate of 4g/m2
Preparation: Cultivate subsoil, apply a suitable herbicide and allow the correct time to elapse, as directed by the manufacturer, and seed the bed. No fertiliser, compost or mulch are to be applied to the wildflower bed.

Maintenance for the meadow areas:
In the first year, annual weed growth may be cut back to encourage the development of a good perennial ground cover. Establishment on sites prone to flooding may be patchy and may take several years to fully colonise.

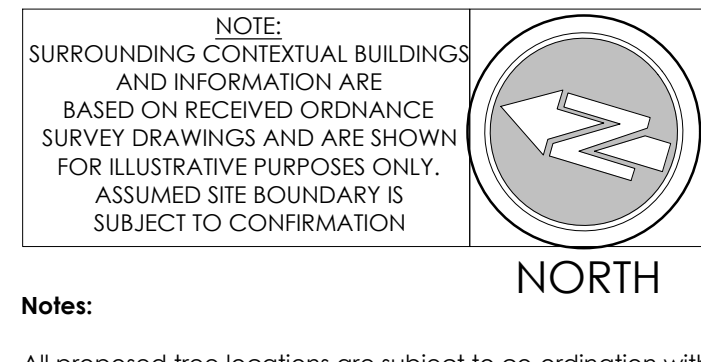
First year of management:
- Mow newly sown flowering lawns regularly (every 7-10 days during growing season) throughout the first year of establishment.
- Cut to a height of 40-60mm, removing cuttings if dense.
- Carefully dig out or spot treat any residual perennial weeds such as docks.

Management once established:
- Mow regularly as a lawn but not too short (25-40mm). To permit flowering, mowing can be relaxed from late June. Cut again when the sward gets untidy (after 4-8 weeks). Heavy quantities of cuttings should be collected and removed from site.

*NOTE - At time of each cut or mowing to be removed from the bed to maintain reduced soil productivity.

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Density	Total No
Tree Planting										
Acer campestre	Ac	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item	8
Betula nigra	Bn	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item	8
Betula pendula	Bp	Standard selected	2x	10-12	300-350	175-200	B	4	Item	38
Betula utilis 'Jacquemontii'	BuJ	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item	6
Carpinus betulus	Cb	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item	13
Fagus sylvatica	Fs	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item	14
Pinus sylvestris	Ps	Leader & Laterals	5x	/	250-300	/	RB	/	Item	33
Populus alba	Pa	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item	10
Prunus avium	Pav	Standard selected	2x	10-12	300-350	175-200	B	4	Item	28
Prunus avium 'Plena'	Pav	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item	13
Quercus ilex	Qi	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item	9
Quercus petraea	Qp	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item	12
Quercus robur	Qr	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item	14
Sorbus aucuparia	Sa	Standard selected	2x	10-12	300-350	175-200	B	4	Item	24
Woodland Planting Mix										
Acer campestre	Ac	1+1 or 1/1	80-100	B	/	Transplant - seed raised	/	As shown	1.5m centres	
Betula pendula	Bp	2x	125-150	B	/	Feathered	2	As shown	3m centres	
Corylus avellana	Ca	1+2 or 1/2	60-80	B	/	Branched	3	As shown	1.5m centres	
Crataegus monogyna	Co	1+1 or 1/1	60-80	B	/	Transplant - seed raised	/	As shown	1.5m centres	
Ilex aquifolium	Ia	/	60-80	C	SL	Leader & Laterals	/	As shown	1.5m centres	
Pinus sylvestris	Ps	3x	125-150	RB	/	Leader & Laterals	/	As shown	3m centres	
Prunus avium	Pa	2x	125-150	B	/	Feathered	3	As shown	3m centres	
Quercus petraea	Qp	2x	125-150	RB	/	Feathered	2	As shown	3m centres	
Rosa canina	Rc	1+1 or 1/1	60-80	B	/	Branched	3	As shown	1.5m centres	
Sorbus aucuparia	Sa	2x	150-175	B	/	Feathered	3	As shown	3m centres	
Viburnum opulus	Vo	1+2 or 1/2	60-80	B	/	Branched	3	As shown	1.5m centres	
*Tree species to be planted at 3m centres, shrub species at 1.5m centres, all in groups of no more than 5 of a single species.										
**All whips and transplants to have rabbit guards and mulch mats.										
Ornamental Shrub Planting										
Eucynus fortunei 'Emerald & Gold'	EFG	30-40D	C	SL	Bushy				4/m ²	
Hebe 'Mrs Winder'	HGW	30-40	C	SL	Bushy				4/m ²	
Prunus laurocerasus 'Zabelliana'	PZ	30-40	C	SL	Bushy				4/m ²	
Native Hedgerow Mix Planting										
Acer campestre	Ac	80-100	B	/	Transplant - seed raised	/	4.5/m ²	7.5%		
Corylus avellana	Ca	60-80	B	/	Branched	3	4.5/m ²	12.5%		
Crataegus monogyna	Co	100-125	B	/	Transplant - seed raised	/	4.5/m ²	50%		
Ilex aquifolium	Ia	60-80	C	SL	Leader & Laterals	/	4.5/m ²	10%		
Ligustrum vulgare	Lv	60-80	B	/	Branched	3	4.5/m ²	10%		
Prunus spinosa	Ps	80-100	B	/	Branched	3	4.5/m ²	5%		
Salix caprea	Sc	125-150	B	/	Branched	3	4.5/m ²	5%		
*Hedge species to be planted in double staggered rows @ 450mm centres in groups of 5's, 7's, 9's, 11's, 13's or 17's of a single species.										
**All whips and transplants to have rabbit guards / shrub shelter appropriate to the species.										
Formal Native Clipped Hedgerow										
Carpinus betulus	Cb	80-100	B	/	Transplant - seed raised	/	1+2 or 1/2	4.5/m ²		
*Native formal hedge to be planted in a double staggered row of a single species at 0.5 metre centres at rate per m ² as indicated. To be maintained at 1.4m height.										

- LANDSCAPE PLAN KEY:**
- Existing hedges to be retained
 - Existing hedges to be removed
 - Proposed extra heavy standard & semi-mature native trees in soft landscape
Refer to schedule for species and specification
 - Proposed standard native trees in soft landscape
Refer to schedule for species and specification
 - Proposed ornamental shrub planting
Refer to schedule for species and specification
 - Proposed native woodland buffer mix planting
Refer to schedule for species and specification
 - Proposed native hedgerow mix planting
Refer to schedule for species and specification
 - Proposed native single species clipped hedge
Refer to schedule for species and specification
 - Proposed flowering meadow mix
To be Emorsgate Seeds E1 Flowering Lawn Mix
Refer to specification for sowing and maintenance requirements.
 - Proposed wildflower pond edge mix
To be Emorsgate Seeds EP1 Pond Edge Mix
Refer to specification for sowing and maintenance requirements.
 - Proposed earthwork mounding
To be 1.5m maximum height from finished floor level of building and in accordance with engineers details
 - Proposed attenuation pond
To be in accordance with drainage engineers details



11138-1-V L04

vector
design concepts

LANDSCAPE DESIGNERS
4 ST JOHN'S NORTH, WAZERFIELD, W11 3QA, TEL: 01924 330506
www.vector-design.co.uk

Project Title

PROPOSED INDUSTRIAL DEVELOPMENT

Client

STERLING CAPITOL PLC

Scale

1:250

Drawn By

DW

Checked By

AS

Date

08/22

Project Name

Capitol Park Junction 37 M1 Higham Lane Barnsley

Revision

1

Revision

2

Revision

3

Revision

4

Revision

5

Revision

6

Revision

7

Revision

8

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