154 No. Euphorbia amygdaloides robbiae
26 No. Euphorbia amygdaloides robbiae
Existing grass verge - flail mow and trim edge neatly to back of pin kerb
Existing trees (lime and maple) in bed of mixed ornamental shrubs
Capitol Close
TURF
3 No. Alnus cordata
9 No. Acer campestre 3%
15 No. Corylus avellana 5%
256 No. Crataegus monogyna 90%
6 No. Ilex aquifolium 2%
132 No. Corylus avellana 25%
106 No. Crataegus monogyna 20%
53 No. Ilex aquifolium 10%
79 No. Ligustrum vulgare 15%
106 No. Prunus spinosa 20%
53 No. Rosa canina 10%
72 Car parking bays
57 No. Rosa 'Bonica'
1 No. Alnus cordata
75 No. Geranium macrorrhizum 'Album'
55 No. Bergenia cordifolia 'Purpurea'
3 No. Alnus glutinosa 'Laciniata'
63 No. Geranium mac. 'Bevan's Variety'
98 No. Geranium mac. 'Bevan's Variety'
2 No. Quercus robur fastigiata
70 No. Geranium mac. 'Ingwersen's Variety'
67 No. Geranium mac. 'Ingwersen's Variety'
18 No. Rosa 'Bonica'
1 No. Alnus cordata
3 No. Betula pendula 'Tristis'
51 No. Geranium macrorrhizum 'Album'
2 No. Betula pendula 'Tristis'
New substation
1 No. Prunus avium 'Plena'
109 No. Carpinus betulus
1 No. Quercus robur fastigiata
Existing grass verge - flail mow and trim edge neatly to back of pin kerb
26 No. Cornus alba 'Ivory Halo'
14 No. Lonicera pileata 'Maigrun'
62 No. Cornus stolonifera 'Flaviramea'
Bird's mouth timber knee rail to match adjacent
14 No. Lonicera pileata 'Maigrun'
32 No. Cornus alba 'Ivory Halo'
87 No. Lonicera pileata 'Maigrun'
Existing entrance to be removed and made good - continue grass verge to match existing
2 No. Prunus padus 'Watereri'
66 No. Viburnum opulus 'Fructo-Luteo'
4 No. Alnus glutinosa
Existing grass verge - flail mow and trim edge neatly to back of pin kerb
8,000sqft Offices over 2 floors.
5 No. Alnus glutinosa
Existing trees (lime and maple) in bed of mixed ornamental shrubs
Existing grass verge - flail mow and trim edge neatly to back of pin kerb
24 No. Ulex europaeus
Create log pile from imported timber
3 No. Sorbus aucuparia
1 No. Malus sylvestris
UNITA
Proposed Warehouse Unit
72,000sqft building footprint incl 4.0k of ground floor offices.
+ 4.0k First floor offices Total 76,000sqft.
24 No. Acer campestre 3%
40 No. Corylus avellana 5%
715 No. Crataegus monogyna 90%
16 No. Ilex aquifolium 2%
61 No. Viburnum opulus
BIODIVERSITY AREA
3 No. Betula pendula
Create rock pile from larger stone on site
3 No. Alnus glutinosa
Create rubble pile from site arisings
42 No. Ulex europaeus
Existing landscaping
WHINBY ROAD
2 No. Surface Level doors
4 No. Dock Door loading
Dock Retaining wall
Dock Retaining wall
3 No. Alnus cordata
1 No. Sorbus aucuparia
1 No. Prunus avium 'Plena'
2 No. Prunus avium 'Plena'
2 No. Alnus cordata
2 No. Sorbus aucuparia
3 No. Corylus avellana 25%
3 No. Crataegus monogyna 20%
2 No. Ilex aquifolium 10%
2 No. Ligustrum vulgare 15%
3 No. Prunus spinosa 20%
2 No. Rosa canina 10%
Service Yard
Turning Head
Existing landscaping
Whinby Road

Key
SF Soft Landscaping
- Existing vegetation
- Existing grass verge
- TURF — Grass - turf
- Grass - seed
- Proposed ornamental planting
- Proposed hedge
- Proposed tree feathered
- Proposed tree heavy standard 12-14cm girth
- Proposed tree extra heavy standard 14-16cm girth
- Proposed woodland shrub mix
- Grass and wildflower seeding - BREEAM mix from Germinal (see specification)

Key
SF Hard Landscaping
- Gravel car park edge strips - see DT01
- Location of telegraph pole with bat boxes - see DT04

Key
SF Fencing/boundaries
- Rabbit proof fencing - see DT02
- Rabbit netting fixed to site perimeter fence - see DT03
- Bird's mouth timber knee rail
- Location of 'Herras' fencing fixed to ground in accordance with BS 5837:2012, maintained for duration of construction works.

Native Hedge

Hedgerow to be planted at 5 plants per linear metre in a double staggered row within rabbit proof fencing; refer to detail.

Shrub Mix

To be planted at 1.5m centres.
Protect 400-800mm high plants with 600mm high Nedon shrub guards, attached with ratchet ties to 25mm square x 900mm long softwood stake. To be mulched throughout.

Grass and Wildflower seeding

BREEAM specific grass and wildflower mix by Germinal
www.germinal.com

%	Code	Name
80	WFG20	Eco Species Rich Lawn
15	WF3	General Purpose Neutral Soils
5	WF10	Cornfield Annuals

Sow at 15-20g/m²

Specimen Planting

No.	Species Name	Specification	Girth	Height
5 No.	Alnus cordata	Heavy Standard	12-14cm	
5 No.	Alnus cordata	Extra Heavy Standard	14-16cm	
3 No.	Alnus glutinosa	Feather		3.0m
9 No.	Alnus glutinosa	Feather		4.0-4.5m
3 No.	Alnus glutinosa 'Laciniata'	Heavy Standard	12-14cm	
3 No.	Betula pendula	Feather		3.0m
5 No.	Betula pendula 'Tristis'	Heavy Standard	12-14cm	
1 No.	Malus sylvestris	Feather		2.0m
3 No.	Prunus avium 'Plena'	Heavy Standard	12-14cm	
1 No.	Prunus avium 'Plena'	Extra Heavy Standard	14-16cm	
2 No.	Prunus padus 'Watereri'	Extra Heavy Standard	14-16cm	
3 No.	Quercus robur fastigiata	Feather		3.5-4.0m
3 No.	Sorbus aucuparia	Heavy Standard	12-14cm	
3 No.	Sorbus aucuparia	Feather		3.0m

Hedge Planting

No.	Species Name	Height	Density
109 No.	Carpinus betulus	60-90cm	5/m

Mix Schedules

SF 2651 Native Hedge Mix

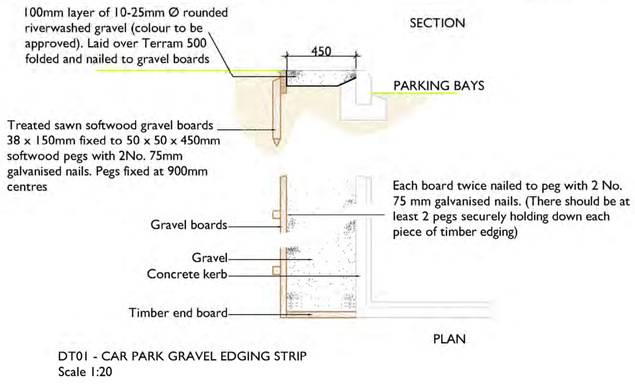
Number	Species	Height	Density	Mix Species Contribution
9 No.	Acer campestre	60-90cm	5/m	3%
15 No.	Corylus avellana	60-90cm	5/m	5%
256 No.	Crataegus monogyna	60-90cm	5/m	90%
6 No.	Ilex aquifolium	Selected to 90cm	5/m	2%
Total :286 No.				Total :100%

SF 2651 Shrub Mix

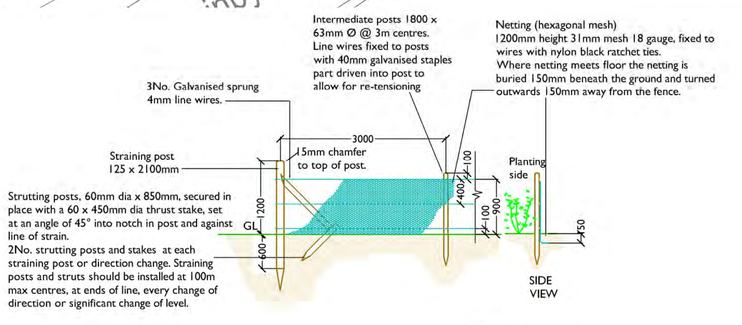
Number	Species	Height	Density	Mix Species Contribution
135 No.	Corylus avellana	60-80cm	1.5Ctr	25%
109 No.	Crataegus monogyna	60-80cm	1.5Ctr	20%
55 No.	Ilex aquifolium	40-60cm	1.5Ctr	10%
81 No.	Ligustrum vulgare	40-60cm	1.5Ctr	15%
109 No.	Prunus spinosa	60-80cm	1.5Ctr	20%
55 No.	Rosa canina	40-60cm	1.5Ctr	10%
Total :544 No.				Total :100%

Planting Areas

No.	Species Name	Height	Pot Size	Specification	Density
55 No.	Bergenia cordifolia 'Purpurea'		2L		8/m²
58 No.	Cornus alba 'Ivory Halo'		3L		4/m²
62 No.	Cornus stolonifera 'Flaviramea'		3L		4/m²
180 No.	Euphorbia amygdaloides robbiae		1L	350mm centres: double staggered row	No.
161 No.	Geranium mac. 'Bevan's Variety'		2L		8/m²
137 No.	Geranium mac. 'Ingwersen's Variety'		2L		8/m²
126 No.	Geranium macrorrhizum 'Album'		2L		8/m²
115 No.	Lonicera pileata 'Maigrun'		2L	350mm centres: double staggered row	No.
75 No.	Rosa 'Bonica'		5L		4/m²
66 No.	Ulex europaeus	25-30cm	3L		1/m²
61 No.	Viburnum opulus	45-60cm	3L		1/m²
66 No.	Viburnum opulus 'Fructo-Luteo'	45-60cm	3L		4/m²

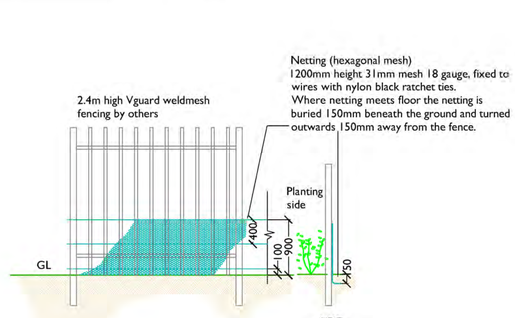


DT01 - CAR PARK GRAVEL EDGING STRIP
Scale 1:20

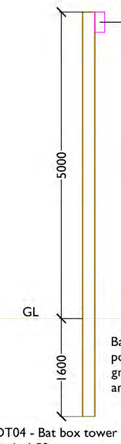


Notes:
All timber to be peeled, pointed pressure treated tanalised softwood,

DT02 - Rabbit proof fencing
Scale 1:50



DT03 - Rabbit Proof Fencing attached to existing fencing
Scale - 1:20



Bat box - 5m above ground. Orientated south-west, south east or north, unless prohibited by existing vegetation.

Bat boxes hung on recycled telegraph poles. 30% of total height of pole above ground placed in augured hole in ground and secured with well tamped earth.

DT04 - Bat box tower
Scale 1:50

BOX 1		
Model	General Purpose Bat Box 2F with double fronted panel	
Number	3No.	
Make	Schwegler	
Installation	This general purpose model is suitable for many situations. The wooden panel on the inside of the box provides inner spaces of different temperatures. Boxes to face south-west, south-east or north, at a minimum height of 4m and positioned to provide a clear flight path and out of strong winds. Can be hung from wall or tree and is supplied with aluminium nail.	
Dimensions	Diameter: 16 cm Height: 33 cm Weight: 3.8 kg	
Cleaning	The front panel can be removed. Cleaning should only be conducted by a licensed bat worker.	

SMEEDEN FOREMAN

NORTH

Project Capital Park, Barnsley
Title Landscape Proposals
Scale 1:200 @A0 Drawn by TM
Date 16.02.17 Checked MS
Project No. SF 2651 Drawing No. LL01 Rev D

Rev.	Date		Drawn	Checked
D	26.04.17	Added location of Herras fencing.	TM	MS
C	05.04.17	Updated to new xref. Added bat box pole.	TM	MS
B	28.03.17	Updated to new xref. Visibility splays shown.	TM	MS
A	17.02.17	Removed pond. Changed wildflower seed mix.	TM	IB

Landscape Architects - Urban Designers
Ecologists - Horticulturists
Somerset House, Low Moor Lane, Scotton, Knaresborough, N. Yorks HG5 9JB
Tel: 01423 863369 Fax: 01423 313107
Email: office@smeedenforeman.co.uk
www.smeedenforeman.co.uk

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