

DRAWING NOTES

-Tree, shrub and hedgerow species take into account guidance produced by Derby County Council on suitable species within the Landscape Character Area: Derbyshire Fringe & Lower Derwent and Landscape Type: Wooded Slopes & Valleys.

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-All shrub and hedgerow planting to be protected with staked and spiral guard or shrub shelter (Tubex or similar approved) of at least 0.6m in height.

-Hedging close to private boundaries shown as *Fagus sylvatica* (Beech) or *Acer campestre* (Field Maple) hedging due to NHBC standards and offsetting requirements.

-Standard trees to be double staked, except within the vicinity of the play area where trees are to be triple staked.

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-Grass seeding in line with comments made by Derbyshire Wildlife Trust. A combination of wildflower meadow grassland to be managed as a hay cutting regime with flowering lawn grassland to have a relaxed, regular cutting regime.

-All stone to be locally sourced, for example from Birchover Quarry.

-Stream corridor boulders to be aproximately 300mm to 450mm square and protrude above the ground so as to slow water typical water flow but not cause obstruction in storm event. Boulders to higher bank elevations can be taller to form more striking feature with planting. Drainage engineer to confirm detailed design with Landscape Architect.

-Boulders within play area to be well anchored glacial boulders and to be rounded and smooth with no sharp edges. To be delivered as stepping stones and informal seating to a height of 300mm to 450mm above ground. Free space and critical fall height requirements to be verified by play supplier prior to installation.

-Stones behind feature seating areas to be delivered as pillars to a height of 1200 to 1500mm above ground for visual impact.

-Placement of boulders on site to be agreed with landscape architect.

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-Confirm setting out of trees and shrubs with a Landscape Architect prior to planting.

-Landscaping Proposals Plans to be read alongside soft works specification by FPCR titled NBS Document

- All footways through tree RPAs to be constructed using no-dig techniques.

-Lighting clashes were a key consideration. Scheme reflects lighting scheme by others.

- To be read in conjunction with On Plot Landscape Plans - 8927-L-08-12E ON PLOT Landscape Proposals.

NOTES
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Ordnance Survey base mapping - supplied by client.

N

0 5 10 15 20 25m

KEY

Softworks:

- Existing Retained Vegetation with RPA (see Arb drawing 8927-T-04 Tree Protection Plan)
- Existing Vegetation to be removed (see Arb drawing 8927-T-04 Tree Protection Plan)
- Native Woodland Edge Mix (to reinforce proposed earthworks, provide privacy and protect/discourage access to biodiversity protections zones/ feathered trees to include stake support)
- Native tree Mix
- Native Shrub Mix
- Standard Trees - Large Growing
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- Low Knee Rail Fence WXD-25 (For fencing arrangement see Architect's drawing BDS/PL/11)
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- Play Equipment (see Play equipment Schedule on drawing 8927-L-04, dashed line denotes manufacturers critical fall height boundary)
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FPCR Environment and Design Ltd
Lockington Hall
Lockington
Derby DE74 2RH
t: 01509 672772
f: 01509 674565
e: mail@fpcr.co.uk
w: www.fpcr.co.uk

client
Wheeldon Brothers

project
Derwentside Industrial Park, Belper

drawing title
LANDSCAPE PROPOSALS (Sheet 1 of 5)

scale	drawn / checked	revision date
1:250 @ A1	OFD / SGL	23 December 2022

drawing number
8927-L-03

rev
L

File: \\FPCR-FS-01\EarlyWork\8900\8927\LANDS\Plans\8927-L-03-07-L Landscape Scheme Planting Plans.vwx

PLAY EQUIPMENT SPECIFICATION
(For play detail see drawing 8927-L-13)

The schedule of play equipment builds upon the preferred specification provided by AVBC at Condition 14 and Note 1 of the consent. All play equipment from Eibe [eibe.co.uk], benches and boulders supplied as per the wider scheme. Impact attenuating surface to be confirmed by equipment manufacturer prior to order and installation in-line with EN1176 and 77 grass matt surfacing is the preferred option for this scheme. Robust shrub planting to visually break up play space. All equipment located outside of adjacent tree root protection areas.

1. Bespoke Ben Nevis Play Unit ref: 7000228 including stainless steel slide ref: 54010412100'
2. Ceres Roundabout. Ref: 5560780
3. Tarzan swing with seat. Ref: 555358025
4. Rose - Toddler Multi-Play Unit. Ref: 55982701100 or unit in keeping with Ben Nevis product.
5. Spring Animals Fox and Goose. Ref: 5672410 & 5672420
6. 2no. Double bay swing Kondor 2no. toddler and 2no. junior (toddler cradles to be to the east adjacent to toddler equipment). Ref: 51016001100 plus accessories.

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1 Sorbus aucuparia 16-18cm
1 Betula pendula - Multistem
1 Betula pubescens 16-18cm
7 Cornus sanguinea
7 Corylus avellana
4 Ilex aquifolium
1 Alnus glutinosa 16-18cm
1 Betula pendula - Multistem
32 Galanthus nivalis
32 Narcissus pseudonarcissus
1 Malus sylvestris 16-18cm
2 Caltha palustris
2 Filipendula ulmaria
2 Iris pseudacorus
2 Juncus effusus
2 Mentha aquatica
2 Silene flos-cuculi
2 Veronica beccabunga
2 Veronica sp
13 Cornus sanguinea
13 Corylus avellana
7 Ilex aquifolium
1 Alnus glutinosa 16-18cm
11 Cornus sanguinea
11 Corylus avellana
6 Ilex aquifolium
2 Caltha palustris
2 Filipendula ulmaria
2 Iris pseudacorus
2 Juncus effusus
2 Mentha aquatica
2 Silene flos-cuculi
2 Veronica beccabunga
2 Veronica sp
3 Betula pubescens 16-18cm
3 Caltha palustris
3 Filipendula ulmaria
3 Iris pseudacorus
3 Juncus effusus
3 Mentha aquatica
3 Silene flos-cuculi
3 Veronica beccabunga
3 Veronica sp
1 Acer pseudoplatanus 'Brilliantissimum' 16-18cm
1 Fagus sylvatica 16-18cm
4 Choisya ternata 'Sundance'
4 Escallonia 'Apple Blossom'
5 Viburnum tinus
46 Galanthus nivalis
46 Narcissus pseudonarcissus
12 Cornus sanguinea
16 Corylus avellana
12 Ilex aquifolium
1 Betula pendula - Multistem
3 Caltha palustris
3 Filipendula ulmaria
3 Iris pseudacorus
3 Juncus effusus
3 Mentha aquatica
3 Silene flos-cuculi
3 Veronica beccabunga
3 Veronica sp
1 Betula pendula - Multistem
1 Corylus avellana
33 Galanthus nivalis
33 Narcissus pseudonarcissus
1 Betula pendula - Multistem
1 Quercus robur 16-18cm
2 Acer campestre 16-18cm
17 Acer campestre
17 Corylus avellana
105 Crataegus monogyna
17 Fagus sylvatica
17 Ilex aquifolium
1 Sorbus aucuparia 16-18cm
1 Quercus robur 16-18cm
1 Quercus robur 16-18cm
1 Alnus glutinosa 16-18cm
1 Fagus sylvatica 16-18cm
8 Ceanothus thyrsiflorus repens
8 Euonymus japonicus 'Microphyllus'
5 Hypericum calycinum
4 Vinca minor
7 Osmanthus x burkwoodii
7 Escallonia 'Apple Blossom'
3 Lonicera fragrantissima
13 Viburnum tinus
3 Ribes sanguineum
20 Cornus sanguinea
20 Corylus avellana
12 Dryopteris felix-mas
12 Calamagrostis acutifolia 'Karl Foerster'
16 Viburnum tinus
1 Alnus glutinosa 16-18cm
1 Sorbus aucuparia 16-18cm
2 Betula pendula - Multistem
9 Caltha palustris
9 Filipendula ulmaria
9 Iris pseudacorus
9 Juncus effusus
9 Mentha aquatica
9 Silene flos-cuculi
9 Veronica beccabunga
9 Veronica sp
9 Cornus sanguinea
12 Corylus avellana
9 Ilex aquifolium
7 Caltha palustris
7 Filipendula ulmaria
7 Iris pseudacorus
7 Juncus effusus
7 Mentha aquatica
7 Silene flos-cuculi
7 Veronica beccabunga
7 Veronica sp
1 Sorbus aucuparia 16-18cm
25 Cornus sanguinea
33 Corylus avellana
25 Ilex aquifolium
Area to be semi wet
12 Cornus sanguinea
16 Corylus avellana
12 Ilex aquifolium
1 Tilia cordata 16-18cm
2 Pyrus calleryana 'Chanticleer' 16-18cm
12 Pittosporum tenuifolium 'Silver Queen'
12 Viburnum tinus
6 Cornus sericea 'Flaviramea'
10 Luzula nivea
6 Sisyrinchium striatum
19 Ceanothus thyrsiflorus repens
19 Euonymus japonicus 'Microphyllus'
11 Hypericum calycinum
9 Vinca minor
1 Betula pendula 16-18cm
9 Caltha palustris
9 Filipendula ulmaria
9 Iris pseudacorus
9 Juncus effusus
9 Mentha aquatica
9 Silene flos-cuculi
9 Veronica beccabunga
9 Veronica sp
6 Pittosporum tenuifolium 'Silver Queen'
6 Viburnum tinus
3 Cornus sericea 'Flaviramea'
5 Luzula nivea
3 Sisyrinchium striatum
1 Betula pendula - Multistem
66 Galanthus nivalis
66 Narcissus pseudonarcissus
1 Tilia cordata 16-18cm
1 Sorbus aucuparia 'Sheerwater Seedling' 16-18cm
1 Sorbus aucuparia 16-18cm
10 Caltha palustris
10 Filipendula ulmaria
10 Iris pseudacorus
10 Juncus effusus
10 Mentha aquatica
10 Silene flos-cuculi
9 Osmanthus x burkwoodii
9 Escallonia 'Apple Blossom'
5 Lonicera fragrantissima
18 Viburnum tinus
5 Ribes sanguineum
Existing steps down to pedestrian access retained. New wrought metal gate mounted to existing stone pillar with a spring closer device to slow pedestrian arrival speeds to the highway.
5 Calamagrostis acutifolia 'Karl Foerster'
5 Cornus sericea 'Flaviramea'
7 Osmanthus x burkwoodii
7 Viburnum tinus
5 Choisya ternata 'Sundance'
5 Pittosporum tenuifolium 'Silver Queen'
19 Acer campestre
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4 Choisya ternata 'Sundance'
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2 Calamagrostis acutifolia 'Karl Foerster'
2 Cornus sericea 'Flaviramea'
3 Osmanthus x burkwoodii
3 Viburnum tinus
2 Choisya ternata 'Sundance'
2 Pittosporum tenuifolium 'Silver Queen'
40 Galanthus nivalis
40 Narcissus pseudonarcissus
2 Pyrus calleryana 'Chanticleer' 16-18cm
1 Fagus sylvatica 16-18cm
2 Calamagrostis acutifolia 'Karl Foerster'
2 Cornus sericea 'Flaviramea'
3 Osmanthus x burkwoodii
3 Viburnum tinus
2 Choisya ternata 'Sundance'
2 Pittosporum tenuifolium 'Silver Queen'
2 Amelanchier arborea 'Robin Hill' 16-18cm

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N

0 5 10 15 20 25m

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FPCR Environment and Design Ltd
Lockington Hall
Lockington
Derby DE74 2RH

t: 01509 672772
f: 01509 674565
e: mail@fpcr.co.uk
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client
Wheeldon Brothers

project
Derwentside Industrial Park, Belper

drawing title
LANDSCAPE PROPOSALS (Sheet 2 of 5)

scale	drawn / checked	revision date
1:250 @ A1	OFD / SGL	23 December 2022

drawing number
8927-L-04

rev
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File: \\FPCRFS-01\EarlyWork\8900\8927\LANDS\Plans\8927-L-03-07-L Landscape Scheme Planting Plans.vwx



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-Confirm setting out of trees and shrubs with a Landscape Architect prior to planting.

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-Lighting clashes were a key consideration. Scheme reflects lighting scheme by others.

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Ordnance Survey base mapping - supplied by client.

N

0 5 10 15 20 25m

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-	07.04.2020	First Issue	CC / SGL

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FPCR Environment and Design Ltd
Lockington Hall
Lockington
Derby DE74 2RH

t: 01509 672772
f: 01509 674565
e: mail@fpcr.co.uk
w: www.fpcr.co.uk

client
Wheeldon Brothers

project
Derwentside Industrial Park, Belper

drawing title
LANDSCAPE PROPOSALS (Sheet 4 of 5)

scale	drawn / checked	revision date
1:250 @ A1	OFD / SGL	23 December 2022

drawing number
8927-L-06

rev
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DRAWING NOTES

-Tree, shrub and hedgerow species take into account guidance produced by Derby County Council on suitable species within the Landscape Character Area: Derbyshire Fringe & Lower Derwent and Landscape Type: Wooded Slopes & Valleys.

-Native planting used where ever possible. In areas that are restricted by hardscaping, utilities or proximity to dwellings (NHBC), suitable and appropriate cultivars have been selected.

-All shrub and hedgerow planting to be protected with staked and spiral guard or shrub shelter (Tubex or similar approved) of at least 0.6m in height.

-Hedging close to private boundaries shown as *Fagus sylvatica* (Beech) or *Acer campestre* (Field Maple) hedging due to NHBC standards and offsetting requirements.

-Standard trees to be double staked, except within the vicinity of the play area where trees are to be triple staked.

-Amenity planting mixes to be set out and planted in single species groups of 3, 5 or 7 plants. Contractor to randomise planting and avoid patterns.

-Grass seeding in line with comments made by Derbyshire Wildlife Trust. A combination of wildflower meadow grassland to be managed as a hay cutting regime with flowering lawn grassland to have a relaxed, regular cutting regime.

-All stone to be locally sourced, for example from Birchover Quarry.

-Stream corridor boulders to be approximately 300mm to 450mm square and protrude above the ground so as to slow water typical water flow but not cause obstruction in storm event. Boulders to higher bank elevations can be taller to form more striking feature with planting. Drainage engineer to confirm detailed design with Landscape Architect.

-Boulders within play area to be well anchored glacial boulders and to be rounded and smooth with no sharp edges. To be delivered as stepping stones and informal seating to a height of 300mm to 450mm above ground. Free space and critical fall height requirements to be verified by play supplier prior to installation.

-Stones behind feature seating areas to be delivered as pillars to a height of 1200 to 1500mm above ground for visual impact.

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PLANTING SCHEDULE

AMENITY PLANTING

Qty	Latin Name	Common Name	Height	Root Condition	Scheduled Size
29	Calamagrostis acutifolia 'Karl Foerster'	Feather Reed Grass	30-40cm	C	3L
71	Ceanothus thyrsiflorus repens	Creeping Ceanothus	30-40cm	C	5L
22	Choisya ternata 'Sundance'	Mexican orange blossom	40-60cm	C	5L
145	Cornus sanguinea	Common dogwood	60-80cm	BR	
20	Cornus sanguinea	Dogwood	30-40cm	C	5L
22	Cornus sericea 'Flaviramea'	Green barked dogwood	60-80cm	C	5L
20	Corylus avellana	Hazel	30-40cm	C	5L
164	Corylus avellana	Hazel	60-80cm	BR	
2	Corylus avellana	Hazel	100-120cm	C	20L
12	Dryopteris felix-mas	Fern	20-30cm	C	3L
115	Escallonia 'Apple Blossom'		40-60cm	C	5L
71	Euonymus japonicus 'Microphyllus'	Evergreen Spindle	30-40cm	C	5L
210	Hebe rakaiensis	Rakai Hebe	30-40cm	C	3L
41	Hypericum calycinum	St John's Wort	30-40cm	C	5L
103	Ilex aquifolium	Holly	60-80cm	C	5L
8	Lonicera fragrantissima	Winter Honeysuckle	60-80cm	C	5L
15	Luzula nivea	Snowy woodrush	30-40cm	C	3L
35	Osmanthus x burkwoodii	Burkwood osmanthus	30-40cm	3L	5L
31	Pittosporum tenuifolium 'Silver Queen'	Tawhiwhi 'Silver Queen'	30-40cm	C	5L
26	Polystichum setiferum	Soft shield fern	30-40cm	C	3L
8	Ribes sanguineum	Flowering Currant	60-80cm	C	5L
9	Sisyrinchium striatum	Yellow Mexican satin flower	20-30cm	C	3L
166	Viburnum davidii	David Viburnum	40-60cm	C	5L
249	Viburnum tinus	Laurustinus	40-60cm	C	5L
34	Vinca minor	Lesser periwinkle	20-30cm	C	3L

NATIVE MARGINAL/AQUATIC PLANTING

Qty	Latin Name	Common Name	Height	Scheduled Size	Rate/m2
64	Caltha palustris	Marsh Marigold	10cm	Plug	10
64	Filipendula ulmaria	Meadowsweet	10cm	Plug	10
64	Iris pseudacorus	Yellow flag	20-30cm	9cm	5
64	Juncus effusus	Common Rush	20-30cm	9cm	5
64	Mentha aquatica	Watermint	10cm	Plug	10
64	Silene flos-cuculi	Ragged Robin	10cm	Plug	10
64	Veronica beccabunga	Brooklime	10cm	Plug	10
64	Veronica sp	Speedwell	10cm	Plug	10

BULBS

Qty	Latin Name	Common Name	Rate/m2
514	Galanthus nivalis	Snowdrop	15
514	Narcissus pseudonarcissus	Daffodil	15

MIXED NATIVE HEDGEROWS (planted double staggered, 5 plants lin/m)

Qty	Latin Name	Common Name	Height	Form	Root Condition
49	Acer campestre	Field Maple	60-80cm	Whip	BR
49	Corylus avellana	Hazel	60-80cm	Whip	BR
297	Crataegus monogyna	Common hawthorn	60-80cm	Whip	BR
49	Fagus sylvatica	Common beech	60-80cm	Whip	BR
49	Ilex aquifolium	Holly	60-80cm	Container - 5L	C

SINGLE SPECIES HEDGEROWS (planted in a single row, 3 plants lin/m)

Qty	Latin Name	Common Name	Height	Form	Root Condition
153	Acer campestre	Field Maple	60-80cm	Whip	BR
103	Fagus sylvatica	Common beech	60-80cm	Whip	BR

NATIVE WOODLAND MIX

Qty	Latin Name	Common Name	Height	Form	Root Condition	Rate/m2	
23	Alnus glutinosa	Common Alder	125-150cm	Feathered	BR	1	
23	Betula pendula	Silver Birch	125-150cm	Feathered	BR	1	
196	Cornus sanguinea	Common dogwood	60-80cm	Whip	BR	2	
196	Corylus avellana	Hazel	60-80cm	Whip	BR	2	
1314	Crataegus monogyna	Common hawthorn	60-80cm	Whip	BR	2	
114	Fagus sylvatica	Common beech	60-80cm	Whip	BR	2	
196	Ilex aquifolium	Holly	40-60cm	Container	C	2	
114	Prunus avium	Wild Cherry	60-80cm	Whip	BR	2	
504	Prunus spinosa	Blackthorn	60-80cm	Whip	BR	2	
23	Quercus robur	Common, English oak	175-200cm	Standard	RB	1	
114	Quercus robur	Common, English oak	80-100cm	Whip	BR	2	
114	Rosa canina	Dog Rose	60-80cm	Whip	BR	2	
90	Viburnum opulus	Guelder Rose	60-80cm	Whip	BR	2	

NATIVE & CULTIVAR TREES

Qty	Latin Name	Common Name	Height	Form	Root Condition	Minimum Clear Stem	Girth
14	Acer campestre	Field maple	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
2	Acer pseudoplatanus 'Brilliantissimum'	Brilliantissimum Sycamore	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
6	Alnus glutinosa	Common Alder	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
6	Amelanchier arborea 'Robin Hill'	Amelanchier	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
7	Betula pendula	Silver Birch	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
7	Betula pendula	Silver birch	250-300cm	Standard	RB	350-400cm	8-10cm
15	Betula pendula - Multistem	Silver Birch	350-400cm	Multistem	C		
9	Betula pubescens	Downy Birch	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
1	Carpinus betulus	Hornbeam	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
2	Crataegus monogyna 'Stricta'	Hawthorn 'Stricta'	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
6	Fagus sylvatica	Common beech	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
3	Malus domestica 'Newton Wonder'	Apple 'Newton Wonder'	350-400cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
5	Malus sylvestris	Crab Apple	250-300cm	Standard	RB	350-400cm	8-10cm
8	Malus sylvestris	Crab Apple	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
7	Prunus avium	Wild Cherry	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
4	Pyrus calleryana 'Chanticleer'	Callery pear	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
11	Quercus robur	Common Oak	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
14	Sorbus aucuparia	Rowan	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
2	Sorbus aucuparia 'Sheerwater Seedling'	Rowan	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm
4	Tilia cordata	Small-leaved lime	400-450cm	Extra Heavy Standard	RB	Min 200cm	16-18cm

NATIVE TREE MIX

Qty	Latin Name	Common Name	Height	Form	Root Condition	Rate/m2
10	Alnus glutinosa	Alder	150-175cm	Whip	BR	0.5
10	Betula pendula	Silver Birch	150-175cm	Whip	BR	0.5
10	Ilex aquifolium	Holly	60-80cm	Container - 5L	C	0.5
10	Malus sylvestris	Crab Apple	60-80cm	Container - 5L	C	0.5
10	Sorbus aucuparia	Rowan	60-80cm		C	0.5

NATIVE SHRUB MIX

Qty	Latin Name	Common Name	Height	Form	Root Condition	Rate/m2
71	Corylus avellana	Hazel	60-80cm	Whip	BR	1
71	Crataegus monogyna	Common hawthorn	60-80cm	Whip	BR	1
142	Ilex aquifolium	Holly	60-80cm	Container - 5L	C	1
71	Lonicera fragrantissima	Winter Honeysuckle	60-80cm		C	1
71	Prunus spinosa	Blackthorn	60-80cm	Whip	BR	1
142	Rosa canina	Dog Rose	60-80cm	Whip	BR	1
142	Viburnum opulus	Guelder Rose	60-80cm	Whip	BR	1

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FPCR Environment and Design Ltd
Lockington Hall
Lockington
Derby DE74 2RH

t: 01509 672772
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scale: 1:250 @ A1
drawn / checked: OFD / SGL
revision date: 23 December 2022

drawing number: 8927-L-07
rev: L

File: \\FPCR-FS-01\EarlyWork\8900\8927\LANDS\Plans\8927-L-03-07-L Landscape Scheme Planting Plans.vwx