

PLANTING SPECIFICATION

PREPARATION

1. Soil to be graded to smooth, flowing contours to tie into existing levels.

2. Areas within the canopy of existing trees to be re-graded to original levels. These should be worked by hand.

3. Soils shall only be worked when the ground conditions are reasonably dry.

4. Immediately before spreading and regrading topsoil, all stones larger than 75mm in anyone direction shall be removed off site. Likewise, all arisings, contaminants and debris to be removed off site.

TOPSOILING

5. Any imported topsoil shall be free of fragments of roots, aggressive weeds, sticks, straw, subsoil, pieces of bark, concrete, glass, wire, lumps of clay or vegetation, and the like.

6. Topsoil (imported or existing) shall be to a depth of 300mm for all areas as shown on Thomas Consulting - Clean Capping Plan TC/P7715/21/120/B.

7. Once spread, topsoil to be gently firmed but not compacted.

8. Finished levels shall marry into adjoining areas.

9. All stones and clods of earth greater then 50mm in any one direction shall be removed off site.

SEEDING

10. All amenity grass areas to be seeded with Emorsgate EG22 seed mix sown at supplier's recommended rates. All Meadow Grassland areas to be seeded with Emorsgate EM2.

PIT PREPARATION

11. Heavy Standard tree pits to be 600x600x1000mm
Standard tree pits 500x500x600mm
Transplant pits to be 300x300x300mm
Hedgerows trenches to be 300xlengthx300mm

TREE PLANTING

12. All trees are to be staked and secured as follows: -

i) All Heavy standard (HS) and standard (S) trees are to be double staked to 750mm above ground and secured using a single rubber tie and spacer.

13. One number 80 litre bag of tree planting compost (non peat based) is to be incorporated into the tree pits. Compost must be thoroughly mixed with with excavated (or imported) topsoil.

14. All trees planted in grass are to have a 1m diameter clear zone to the base and are to be mulched to a depth of 50mm with approved medium grade tree bark.

15. All trees to have a spiral rabbit guard fitted immediately upon planting.

PLANTING - SHRUBS

16. Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling' the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with Part 3 of the above booklet (obtained from the Horticulture Trades Association) which refers to the receipt, unloading and temporary storage of plants.

17. Plants shall be first class examples of their species or variety, free from all pests and diseases with good fibrous root systems and materially undamaged. (Refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock')

18. All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'. Plants shall be planted in groups of 3-15no.

19. The contractor must ascertain for themself the exact location of any under-ground services and maintenance points.

20. Water as necessary to ensure the establishment and continued thriving of planted and grassed matter.

21. Carry out all work when soil and weather conditions are suitable:
i) Do not plant during periods of frost or strong winds.
Plant only during the following periods: -
- Bare root deciduous trees and shrubs:
Late October to late March
- Container grown plants: At any time if ground water and weather conditions are favourable.

22. Planting to be in groups of 3-7no. per species.

23. Ensure that adequate weed control is available.

24. Following planting all Planted Beds and Hedgerows to be mulched to a consolidated depth of 50mm using an approved medium grade tree bark.

25. Following planting all hedgerow trees to have spiral rabbit guards fitted.

PLANTING SCHEDULES

	HEDGEROW PLANTING			
	5 per lin m (double staggered row)			
%	Species	Size	Type	No.
10	Corylus avellana	45-60cm	bare root	144
60	Crataegus monogyna	45-60cm	bare root	864
15	Ilex aquifolium	45-60cm	2L	216
10	Prunus spinosa	45-60cm	bare root	144
5	Rosa canina	45-60cm	bare root	72
			Total	1440

TREE PLANTING			
Species	Size	Type	No.
Acer campestre (Ac)	10-12cm girth	Rootballed	1
Acer pseudoplatanus 'Brilliantissima' (ApB)	12-14cm girth	Rootballed	2
Betula pendula (Bp)	10-12cm girth	Rootballed	1
Carpinus betulus (Cb)	10-12cm girth	Rootballed	2
Carpinus betulus 'Lucas' (CbL)	12-14cm girth	Rootballed	3
Malus tschonoskii (Mt)	12-14cm girth	Rootballed	4
Pinus sylvestris (Psy)	10-12cm girth	Rootballed	4
Prunus padus (Pp)	10-12cm girth	Rootballed	3
Prunus x Sargentii (Ps)	12-14cm girth	Rootballed	4
Quercus robur (Qr)	10-12cm girth	Rootballed	4
Sorbus aucuparia (Sa)	10-12cm girth	Rootballed	4
Sorbus aucuparia 'Sheerwater Seedling' (Ss)	12-14cm girth	Rootballed	4
Sorbus aria 'Lutescens' (SaL)	12-14cm girth	Rootballed	3
Tilia cordata (Tc)	10-12cm girth	Rootballed	2
		Total	41

Tree and Shrub Mix 1 (TSM1)		Bed Name	G	M	Q	U	V	Total
1.0m centres		Bed Area (m2)	7	22	14	31	49	
Species	Size	Type	No.	No.	No.	No.	No.	No.
Acer campestre	40-60cm	bare root	1	1		2	5	9
Betula pendula	40-60cm	bare root		1	1	2	3	7
Corylus avellana	40-60cm	bare root	3	3	1	3	8	18
Crataegus monogyna	40-60cm	bare root	3	7	3	6	10	29
Prunus spinosa	40-60cm	bare root		3	3	3	8	17
Prunus padus	40-60cm	bare root		1	1	3	3	8
Rosa canina	40-60cm	bare root		3	1	3	6	13
Viburnum opulus	40-60cm	bare root		3	3	3	6	15
		Total	7	22	13	25	49	116

Tree and Shrub Mix 2 (TSM2)		Bed Name	C	D	S	T		
1.0m centres		Bed Area (m2	13	32	36	8		
Species	Size	Type	No.	No.	No.	No.	Total	
Acer campestre	40-60cm	bare root		1	3	3	7	
Corylus avellana	40-60cm	bare root		3	5	6	3	17
Crataegus monogyna	40-60cm	bare root		3	5	6	3	17
Cytisus scoparius	40-60cm	bare root		3	5	6		14
Prunus spinosa	40-60cm	bare root		1	5	6		12
Rosa pimpinellifolia	40-60cm	bare root		1	6	6	3	16
		Total	13	32	36	10	91	

Suggested shrub species for Ornamental Areas			
Species	Size (cm)	Type	Density per m2
Artemesia 'Powis Castle'	30-40 cm	3L	4
Asplenium scolopendium	45-60 cm	1L	4
Aucuba japonica 'Crotonifolia'	45-60 cm	5L	1.25
Calamgrostis x acutiflora	30-40 cm	2L	4
Carex buchananii	30-40 cm	2L	4
Choisya 'Aztec Pearl'	45-60 cm	5L	2
Cistus x corbaniensis	45-60 cm	5L	3
Cotinus 'Flame'	45-60 cm	3L	1.25
Cotoneaster 'Skogholm Coral Beauty'	30-40 cm	3L	5
Cytisus x kewensis	45-60 cm	3L	4
Elaeagnus pungens 'Maculata'	45-60 cm	5L	1.25
Escallonia iveyii	45-60 cm	3L	2
Euonymus 'Silver Queen'	30-40 cm	3L	5
Fuchsia 'Mrs Popple'	30-40 cm	3L	2
Genista lydia	45-60 cm	3L	3
Lavandula stoechas	45-60 cm	3L	4
Lonicera nitida 'Maygreen'	45-60 cm	1L	3
Mahonia x media 'Charity'	45-60 cm	5L	2
Pennisetum alopecuroides 'Hameln'	30-40 cm	3L	2
Phormium tenax 'Yellow Wave'	45-60 cm	2L	specimen
Pieris 'Forest Flame'	45-60 cm	2L	2
Prunus 'Zabeliana'	45-60 cm	3L	2
Skimmia 'Rubella'	45-60 cm	5L	2
Spirea 'Firelight'	45-60 cm	5L	2
Viburnum opulus 'Sterile'	45-60 cm	3L	1.25

Shrub Mix 1 (SM1)		Bed Name	F	H	K	P	Total
0.7m centres		Bed Area (m2)	7	6	10	18	193
Species	Size	Type	No.	No.	No.	No.	No.
Cornus stolonifera	60-90cm	bare root	3	12		5	20
Crataegus monogyna	60-90cm	bare root			3	5	8
Corylus avellana	40-60cm	bare root			3	3	6
Cytisus scoparius	20-30cm	bare root	3		3	3	9
Hedera helix	20-30cm	1L			2	5	7
Euonymus europaeus	40-60cm	2L	3		3	3	9
Prunus spinosa	40-60cm	bare root				3	3
Rosa pimpinellifolia	40-60cm	bare root	3		3	5	11
Viburnum opulus	40-60cm	bare root	2		3	4	9
		Total	14	12	20	36	82

Shrub Mix 2 (SM2)		Bed Name	B	L	N	R	Total
0.7m centres		Bed Area (m2)	7	7	6	6	
Species	Size	Type	No.	No.	No.	No.	No.
Cytisus scoparius	20-30cm	1L	5	5	6	6	22
Hedera helix	20-30cm	1L	4	4			8
Rosa canina	30-40cm	bare root	5	5	6	6	22
		Total	14	14	12	12	52

Shrub Mix3 (SM3)		Bed	A	E	J	Total
0.7m centres		Bed Area (m2)	7	13	13	
Species	Size	Type	No.	No.	No.	No.
Cytisus scoparius	30-40 cm	2L	6	9	9	24
Hedera helix	45-60 cm	3L	2	8	8	18
Rosa pimpinellifolia	30-40 cm	bare root	6	9	9	24
		Total	14	26	26	66

REV A	Removal of ownership boundary	April 2021	VS
REV B	Amends to entrance details and tactile surfacing	June 2021	VS
REV C	MUGA removed and topsoil depth amended	July 2021	VS
Rev D	Additional planting, increased car parking areas & various amendments following LPA review	Sept 2021	VS

Lakeside School, Liverpool

Witherslack Group

Proposed Landscape Works

General Arrangement Plan

PR/210304/GA/01 REV D

The plant room

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Contractors are advised to check dimensions with the architect before setting out on site

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1:200 @ A0
1:400 @ A2