MULTI STEMMED TREES					
Abb	**Species**	**Size**	**Height (cm)**	**Root**	**Number**
BpMS	Betula pendula MS	M/S	300-350	Container	19
BpKS	Betula Papyrifera Var. Kenaica shade	M/S	500-600	Container	5

NATIVE TREES							
Abb	**Species**	**Girth**	**Height (cm)**	**Root**	**Type**	**Number**
Bp	Betula pendula	10-12	300-350	RB	SS	7
Sa	Sorbus acuparia	10-12	300-350	RB	SS	7
Ac	Acer campestre	10-12	300-350	RB	SS	5
Cb	Carpinus betulus frans fontaine	10-12	300-350	RB	SS	3
Qr	Quercus robur	10-12	300-350	RB	SS	3
CbFF	Carpinus betulus frans fontaine	14-16	400-450	RB	EHS	1
Qi	Quercus ilex	35-40	min 600	RB	SM	1

NATIVE SCRUB MIX - Planted at 1 per sq.m and to be protected with spiral bound shrub guards					
Abb	**Species**	**Pot**	**Height**	**% in Mix**	**Number**
Ca	Corylus avellana	BR	60-80	20%	211
Cs	Cornus sanguinea	BR	60-80	10%	105
Cmo	Crataegus monogyna	BR	60-80	30%	316
Ia	Ilex aquifolium	2L C	40-60	5%	54
Msy	Malus sylvestris	BR	60-80	5%	54
Rc	Rosa canina	BR	60-80	10%	105
Sn	Sambucus nigra	BR	60-80	10%	105
Vo	Viburnum opulus	BR	60-80	10%	105

NATIVE HEDGE - @ 6 per lin.m, in a staggered row					
Abb	**Species**	**Pot**	**Height (cm)**	**% in Mix**	**Number**
Cmo	Crataegus monogyna	BR	100-120	50%	24
Ca	Corylus avellana	BR	100-120	20%	10
Vo	Viburnum opulus	BR	100-120	20%	10
Ia	Ilex aquifolium	2L	40-60	10%	5

PLANTING NOTES:

1. 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 clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association, 19 High Street, Theale, Reading, Berks RG7 5HJ) which refers to the receipt, unloading and temporary storage of plants.

2. 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').

3. All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations

4. Tree Planting:
One number 80 litre bag of compost (non-peat based) should be roughly incorporated between two tree pits and a slow release tree fertiliser (inline with manufacturers recommendations) should also be incorporated into the mix. The compost and fertiliser must be thoroughly mixed with the excavated material prior to back filling the tree pit. Any large stones and rubble should be removed if excavated during these works and the base of the pit should be broken out to ensure that it is free draining. Trees should be secured with double timber stake, timber cross bar and rubber tree tie. As a guide, trees should be planted in tree pits of the following minimum sizes;

i) 10-12cm girth 800 x 800 x 600mm deep
ii) 14-16cm girth 900 x 900 x 750mm deep

5. All BR Whips and BR stock (proposed native scrub mix and native hedge mix) to be protected with a spiral-bound tree/shrub guard and secured into place with a cane. Ensure that areas around the base of shrubs are maintained weed free during the establishment period using a glyphosate based herbicide. BR stock should be notch planted and heeled in securely to firm into position.

6. Shrub Beds and Planting General:
i) All beds should be free draining and free from rubble and large stones. There should be min 450mm of good quality top soil to all the shrubs beds.
ii) Areas to be treated with a non-residual glyphosate based herbicide prior to planting and cultivated to a depth of 150mm.
iii) A slow release fertiliser mixed with a peat free compost should be incorporate into the back fill material when planting the shrubs to give them the best possible chance of establishment.
iv) For hedges dig a trench the full length of the hedge 500mm wide x 400mm deep and break up the base to facilitate drainage.

7. When storing the topsoil, compaction and contamination should be prevented by covering and not allowing construction plants to pass over it. It should also be handled in the driest conditions possible and not after a heavy rainfall. When spreading the topsoil do not firm, consolidate or compact it.

8. Finishing Beds:
i) The finished surface of the bed should be free from weeds, stones or rubble and the surface of the soil cultivated to level out any clumps, mounds or depressions.
ii) When planted all shrub beds are to be mulched with 50mm depth of small grade bark mulch.
iii) The beds should be maintained weed free and the beds topped up annually with bark mulch as required.

9. Grass:
i) Beds should be free draining and free from rubble and large stones. There should be min 150mm of good quality top soil to all the areas to be turfed.
ii) Areas to be cultivated to a depth of 150mm and finished to a fine tilth with smooth even contours and gradients.
iii) Prior to laying turf the areas should be sprayed with a non-residual glyphoshate based herbicide.
iv) Ensure that the grass is maintained to 25-50mm and once established mown min 12 times a year in the growing season.

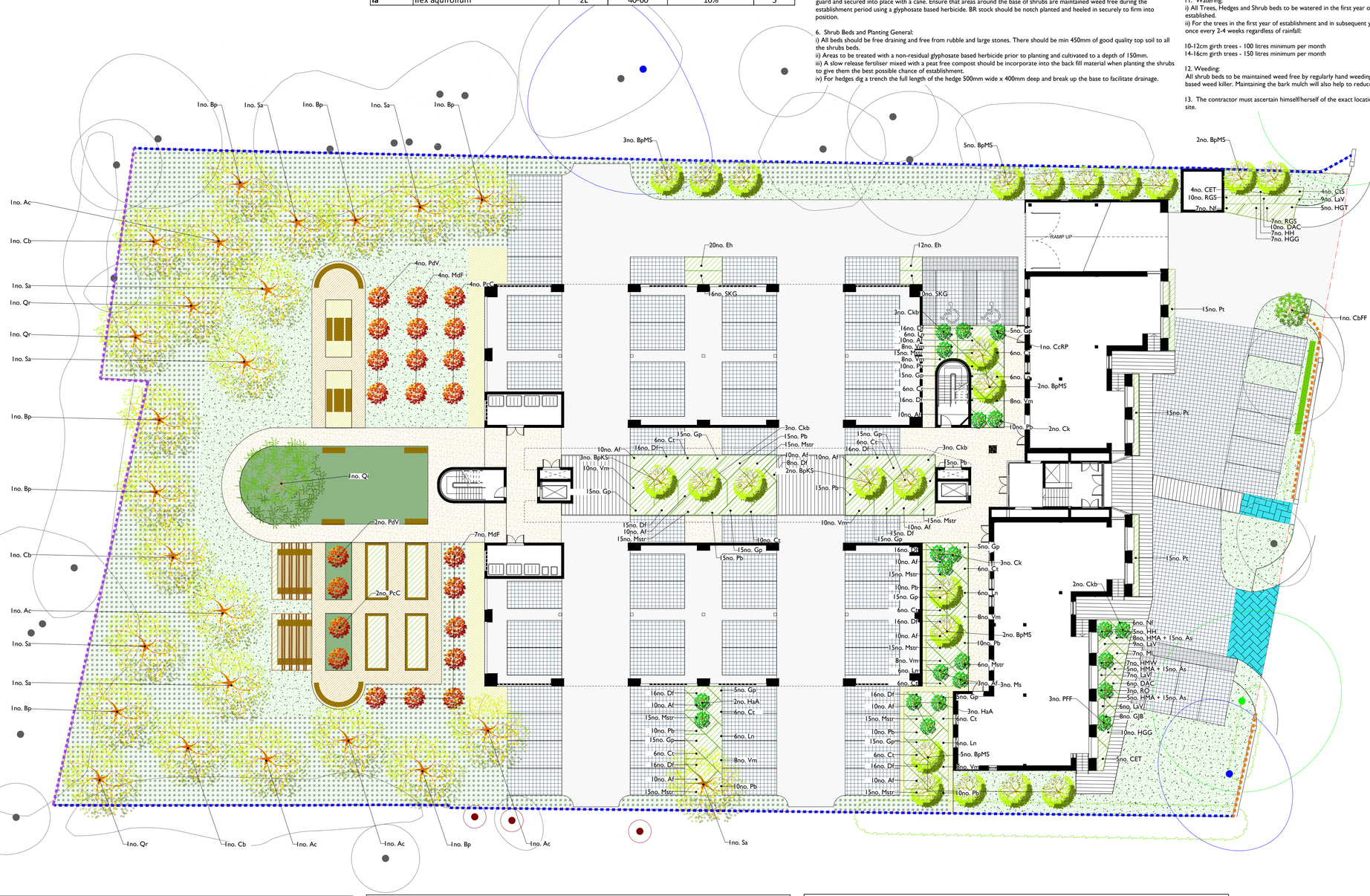
10. Emorsgate 'EM1 Basic General Purpose Meadow' mix:
i) Best sown in autumn or spring when there is sufficient warmth and moisture
ii) Avoid any cutting or mowing from spring through to late July/August to give the sown species an opportunity to flower
iii) To be sown at a rate of 4g per sq.m

11. Watering:
i) All Trees, Hedges and Shrub beds to be watered in the first year of establishment regularly during periods of drought until established.
ii) For the trees in the first year of establishment and in subsequent years if there is a drought. Water with the following volumes once every 2-4 weeks regardless of rainfall:

10-12cm girth trees - 100 litres minimum per month
14-16cm girth trees - 150 litres minimum per month

12. Weeding:
All shrub beds to be maintained weed free by regularly hand weeding the beds and spot treating any prolific weeds with a glyphosate based weed killer. Maintaining the bark mulch will also help to reduce weed growth.

13. The contractor must ascertain himself/herself of the exact location of underground services prior to carrying out any digging on site.



HERBACEOUS PLANTS					
Abb	**Species**	**Size**	**Height (cm)**	**Density**	**Number**
As	Allium schoenoprasum	Bulb		As shown	45
Af	Astilbe fanal	3-5L	20-30	5 sq.m	143
Df	Dryopterix filix mas	3-5L	20-30	5 sq.m	209
GJB	Geranium 'Johnson's Blue'	3-5L	20-30	5 sq.m	40
Gp	Geranium pratense	3-5L	20-30	5 sq.m	155
HMA	Hakonechloa macra 'Aureola'	3-5L	20-30	5 sq.m	18
HGT	Hosta 'Golden Tiara'	3-5L	20-30	5 sq.m	43
Ln	Luzula nivea	3-5L	20-30	5 sq.m	36
Mstr	Matteuccia struthiopteris	3-5L	20-30	5 sq.m	156
Nf	Nepeta x fassenii	3-5L	20-30	5 sq.m	13
Pb	Persicaria bistorta	3-5L	20-30	5 sq.m	140

ORNAMENTAL SHRUB PLANTING					
Abb	**Species**	**Size**	**Height (cm)**	**Density**	**Number**
Ct	Carex testacea	5L	40-50	3 sq.m	
CET	Ceanothus thyrsiflorus var. repens	5L	40-50	3 sq.m	80
CtS	Choisya ternata 'Sundance'	5L	40-50	3 sq.m	4
DAC	Dryopteris affinis 'Cristata'	5L	40-50	5 sq.m	16
Eh	Euonymus harlequin	5L	30-40	5 sq.m	32
HMW	Hebe 'Mrs Winder'	5L	30-40	5 sq.m	7
HGG	Hebe 'Green Globe'	5L	30-40	5 sq.m	17
HH	Hypericum 'Hidcote'	5L	30-40	3 sq.m	12
LaV	Lavandula angustifolia 'Vera'	5L	30-40	5 sq.m	31
Pt	Pittosporum tenuifolium	5L	30-40	5 sq.m	45
RO	Rosmarinus officinalis	5L	40-50	3 sq.m	3
SKG	Skimmia x confusa 'Kew Green'	5L	40-50	4 sq.m	26
Vm	Vinca minor	5L	40-50	4 sq.m	76

SPECIMEN SHRUB PLANTING					
Abb	**Species**	**Size**	**Height (cm)**	**Density**	**Number**
CcRP	Cotinus coggyrgia 'Royal Purple'	20L	120-150	Ind.	1
Ckb	Camellia japonica 'Black Lace'	20L	120-150	Ind.	11
HaA	Hydrandea arborescens 'Annabelle'	10L	80-100	Ind.	5
Ms	Magnolia stellata	25L	80-100	Ind.	3
PFF	Pieris 'Forest Flame'	10L	40-50	Ind.	3
Cc	Cercis chinensis	RB M/S	3-3.5m	Ind.	7
Ck	Cornus kousa	RB M/S	3-3.5m	Ind.	16

FRUIT TREE PLANTING						
Abb	**Species**	**Rootstock**	**Height (cm)**	**Root**	**Type**	**Number**
PdV	Prunus domestica 'Victoria'	St Julien	1.5m+	BR	Half Standard	6
MdF	Malus domestica 'Falstaff'	M9	1.5m+	BR	Half Standard	11
PcC	Pyrus communis 'Concorde'	Quincea	1.5m+	BR	Half Standard	6

SOFTWORKS

Multistemmed Trees
Native tree species to be planted as 3m high Multi-stemmed specimens.

Proposed Medium/ Large Trees
Native trees to be planted as 14-16cm girth Extra Heavy Standards within the development. Trees to be planted and secured in place with double timber stakes, cross bar and tree ties.

Native Trees
Native Trees to be planted as feathered whips 175-200 cm height within the development. Trees to be planted and secured in place with double timber stakes, cross bar and tree ties.

Native scrub understorey
60-80cm Bare root shrubs planted at 1/m2

Fruit Trees
Trees to be planted and secured in place with double timber stakes, cross bar and tree ties.

Proposed Specimen Shrubs
Native and Ornamental shrubs to be planted as 10L pots

Ornamental Shrubs
Raised planters and shrub beds to be planted with a mixture of shrubs in 5L pots at 3 per sq.m, grasses and herbaceous perennials in 1L pots at 5 per sq.m and 25L specimens to be planted in the beds to provide instant height and interest. All beds to be mulched with a small grade bark mulch.

Proposed Wildflower Turf
Areas to be laid with wildflower turf EM1 General purpose meadow mixture. To be regularly maintained.

Native Hedgerow

Amenity grass

EM1 Basic General Purpose Meadow Mix (4g/m2)

Mixture Breakdown

1.5%	Common Knapweed (*Centaurea nigra*)
1%	Wild Carrot (*Daucus carota*)
0.3%	Lady's Bedstraw (*Galium verum*)
1.5%	Oxeye Daisy (*Leucanthemum vulgare*)
0.6%	Musk Mallow (*Malva moschata*)
1.6%	Ribwort Plantain (*Plantago lanceolata*)
1.5%	Salad Burnet (*Poterium sanguisorba ssp sanguisorba*)
1%	Meadow Buttercup (*Ranunculus acris*)
0.5%	Yellow Rattle (*Rhinanthus minor*)
0.5%	Red Campion (*Silene dioica*)
9%	Common Bent (*Agrostis capillaris*)
31.5%	Crested Dogstail (*Cynosurus cristatus*)
27%	Red Fescue (*Festuca rubra*)
4.5%	Smaller Cat's-tail (*Phleum bertolonii*)
18%	Smooth-stalked Meadow-grass (*Poa pratensis*)

DEP LANDSCAPE ARCHITECTURE LTD
2 COMMERCIAL STREET
MANCHESTER, M15 4RQ
T: 0161 2419878
E: info@dep.co.uk
W: www.dep.co.uk

Client
Atzaro Real Estate

Project
Palatine Road

Description
Soft Landscape Proposals

Status
For Planning

Scale 1:200@A1
Drawn BH
Job number 6008
Drawing number 02
Date 08.09.26
Revision A

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