

Permitted Triple Staggered Row of Native Trees (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

48 No. *Alnus glutinosa* 14-16 cm g
48 No. *Betula pendula* 14-16 cm g
80 No. *Pinus sylvestris* 2.5-3.0 m
48 No. *Quercus petraea* 14-16 cm g

Woodland Planting Mix (1296m²)
To be planted as transplants @ 1/m² with 20% of trees planted as 8-10cm standards

Transplants
1296 No. *Alnus glutinosa*
1944 No. *Betula pendula*
648 No. *Corylus avellana*
648 No. *Crataegus monogyna*
648 No. *Ilex aquifolium*
648 No. *Larix decidua*
1296 No. *Pinus sylvestris*
648 No. *Prunus avium*
648 No. *Prunus padus*
1944 No. *Quercus petraea*

Standards (8-10 cm g)
864 No. *Alnus glutinosa*
864 No. *Betula pendula*
864 No. *Quercus petraea*

Hedgerow Planting Mix (1640 m²)
To be planted as transplants @ 1.5/m²

Transplants
248 No. *Corylus avellana*
984 No. *Crataegus monogyna*
248 No. *Ilex aquifolium*
492 No. *Prunus avium*
123 No. *Prunus padus*
123 No. *Rosa canina*
123 No. *Ulex europaeus*
123 No. *Viburnum opulus*

Triple Staggered Row of Native Trees
To be planted as @ 3 m ctrs on ridge line of earth berm

204 No. *Alnus glutinosa* 14-16 cm g
204 No. *Betula pendula* 14-16 cm g
204 No. *Quercus petraea* 14-16 cm g

Permitted Hedgerow Planting Mix (263 m²) (8000 Plants Ref: 5019A004)
To be planted as transplants @ 1.5/m²

Transplants
42 No. *Corylus avellana*
173 No. *Crataegus monogyna*
42 No. *Ilex aquifolium*
85 No. *Prunus avium*
21 No. *Prunus padus*
21 No. *Rosa canina*
21 No. *Ulex europaeus*
21 No. *Viburnum opulus*

Standards (8-10 cm g)
324 No. *Alnus glutinosa*
324 No. *Betula pendula*
324 No. *Quercus petraea*

Permitted Woodland Planting Mix (4858m²) (8000 Plants Ref: 5019A004)
To be planted as transplants @ 1/m² with 20% of trees planted as 8-10cm standards

Transplants
486 No. *Alnus glutinosa*
729 No. *Betula pendula*
42 No. *Crataegus monogyna*
243 No. *Corylus avellana*
243 No. *Ilex aquifolium*
243 No. *Larix decidua*
486 No. *Pinus sylvestris*
243 No. *Prunus avium*
243 No. *Prunus padus*
729 No. *Quercus petraea*

Standards (8-10 cm g)
324 No. *Alnus glutinosa*
324 No. *Betula pendula*
324 No. *Quercus petraea*

Permitted Native Tree Planting (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

7 No. *Alnus glutinosa* 12-14cm g
7 No. *Betula pendula* 12-14cm g
8 No. *Quercus petraea* 12-14cm g

Permitted Triple Staggered Row of Native Trees (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

39 No. *Alnus glutinosa* 14-16 cm g
39 No. *Betula pendula* 14-16 cm g
78 No. *Pinus sylvestris* 2.5-3.0 m
39 No. *Quercus petraea* 14-16 cm g

Permitted Native Wetland Planting (1153 m²)
To be planted as container grown specimens @ 3/m²

120 No. *Apium nodiflorum*
120 No. *Caltha palustris*
245 No. *Cardamine pratensis*
245 No. *Epilobium palustre*
245 No. *Iris pseudacorus*
245 No. *Lythrum salicaria*
245 No. *Myosotis scorpioides*
245 No. *Myriophyllum spicatum*
980 No. *Phragmites australis*
245 No. *Ranunculus*
245 No. *Ranunculus*
980 No. *Sparganium* spp.
980 No. *Typha latifolia*

Permitted Woodland Planting Mix (1281m²) (8000 Plants Ref: 5019A004)
To be planted as transplants @ 1/m² with 20% of trees planted as 8-10cm standards

Transplants
128 No. *Alnus glutinosa*
189 No. *Betula pendula*
69 No. *Corylus avellana*
69 No. *Crataegus monogyna*
69 No. *Larix decidua*
128 No. *Pinus sylvestris*
69 No. *Prunus avium*
69 No. *Prunus padus*
189 No. *Quercus petraea*

Standards (8-10 cm g)
84 No. *Alnus glutinosa*
84 No. *Betula pendula*
84 No. *Quercus petraea*

Permitted Hedgerow Planting Mix (196 m²) (8000 Plants Ref: 5019A004)
To be planted as transplants @ 1.5/m²

Transplants
29 No. *Corylus avellana*
118 No. *Crataegus monogyna*
29 No. *Ilex aquifolium*
59 No. *Prunus avium*
15 No. *Prunus padus*
15 No. *Rosa canina*
15 No. *Ulex europaeus*
15 No. *Viburnum opulus*

Permitted Native Wetland Planting (1060 m²)
To be planted as container grown specimens @ 3/m²

80 No. *Apium nodiflorum*
80 No. *Caltha palustris*
160 No. *Cardamine pratensis*
160 No. *Epilobium palustre*
160 No. *Iris pseudacorus*
160 No. *Lythrum salicaria*
160 No. *Myosotis scorpioides*
160 No. *Myriophyllum spicatum*
635 No. *Phragmites australis*
160 No. *Ranunculus*
635 No. *Sparganium* spp.
635 No. *Typha latifolia*

Native Wetland Planting Mix (740 m²)
To be planted as container grown specimens @ 3/m²

30 No. *Apium nodiflorum*
30 No. *Caltha palustris*
75 No. *Cardamine pratensis*
75 No. *Epilobium palustre*
75 No. *Iris pseudacorus*
75 No. *Lythrum salicaria*
75 No. *Myosotis scorpioides*
75 No. *Myriophyllum spicatum*
900 No. *Phragmites australis*
75 No. *Ranunculus*
900 No. *Sparganium* spp.
300 No. *Typha latifolia*

Native Tree Planting
7 No. *Alnus glutinosa* 8-10cm g
7 No. *Betula pendula* 8-10cm g
7 No. *Quercus petraea* 8-10cm g

Permitted Native Tree Planting (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

40 No. *Alnus glutinosa* 12-14cm g
40 No. *Betula pendula* 12-14cm g
40 No. *Quercus petraea* 12-14cm g

Permitted Native Tree Planting (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

20 No. *Alnus glutinosa* 12-14cm g
20 No. *Betula pendula* 12-14cm g
20 No. *Quercus petraea* 12-14cm g

Native Wetland Planting Mix (990 m²)
To be planted as container grown specimens @ 3/m²

36 No. *Apium nodiflorum*
36 No. *Caltha palustris*
36 No. *Cardamine pratensis*
36 No. *Epilobium palustre*
36 No. *Iris pseudacorus*
36 No. *Lythrum salicaria*
36 No. *Myosotis scorpioides*
36 No. *Myriophyllum spicatum*
1080 No. *Phragmites australis*
36 No. *Ranunculus*
360 No. *Sparganium* spp.
360 No. *Typha latifolia*

Permitted Triple Staggered Row of Native Trees (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

78 No. *Alnus glutinosa* 14-16 cm g
78 No. *Betula pendula* 14-16 cm g
152 No. *Pinus sylvestris* 2.5-3.0 m
78 No. *Quercus petraea* 14-16 cm g

Permitted Formal Hedge Planting (397 m²)
1985 No. *Ligustrum ovalatum*, Planted in a double staggered row, @450mm spacings

Permitted Woodland Planting Mix (3189m²) (8000 Plants Ref: 5019A004)
To be planted as transplants @ 1/m² with 20% of trees planted as 8-10cm standards

Transplants
319 No. *Alnus glutinosa*
478 No. *Betula pendula*
158 No. *Corylus avellana*
158 No. *Crataegus monogyna*
158 No. *Ilex aquifolium*
158 No. *Larix decidua*
319 No. *Pinus sylvestris*
158 No. *Prunus avium*
158 No. *Prunus padus*
478 No. *Quercus petraea*

Standards (8-10 cm g)
213 No. *Alnus glutinosa*
213 No. *Betula pendula*
213 No. *Quercus petraea*

Permitted Triple Staggered Row of Native Trees (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

25 No. *Alnus glutinosa* 14-16 cm g
25 No. *Betula pendula* 14-16 cm g
50 No. *Pinus sylvestris* 2.5-3.0 m
25 No. *Quercus petraea* 14-16 cm g

Permitted Triple Staggered Row of Native Trees (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

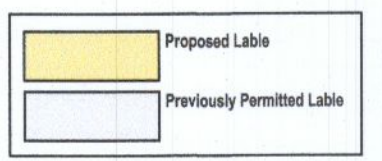
124 No. *Alnus glutinosa* 14-16 cm g
124 No. *Betula pendula* 14-16 cm g
138 No. *Pinus sylvestris* 2.5-3.0 m
124 No. *Quercus petraea* 14-16 cm g

Tree Planting
49 No. *Quercus palustris* 12-14cm g

Permitted Formal Hedge Planting (289 m²) (8000 Plants Ref: 5019A004)
1145 No. *Ligustrum ovalatum*, Planted in a double staggered row, @450mm spacings

Permitted Tree Planting (8000 Plants Ref: 5019A004)
To be planted as @ 3 m ctrs on ridge line of earth berm

47 No. *Quercus palustris* 12-14cm g



Wildflower Meadow
Grass Species 85%

- Browntop Bent
 - Crested Dogtail
 - Sheeps Fescue
 - Chewings Fescue
 - Slender Creeping Red Fescue
 - Yellow Oat Grass
 - Sweet Vernal Grass
- Perennials 15%
- Birdfoot Trefoil (*Lotus Corniculatus*)
 - Common Cat's Ear (*Hypochaeris Radicata*)
 - Cowslip (*Primula Veris*)
 - Field Scabious (*Knautia Arvensis*)
 - Lady's Bedstraw (*Galium Verum*)
 - Lesser Knapweed (*Centaurea Nigra*)
 - Meadow Buttercup (*Ranunculus Acris*)
 - Meadow Vetchling (*Lathyrus pratensis*)
 - Musk Mallow (*Malva Moschata*)
 - Ox Eye Daisy (*Leucanthemum Vulgare*)
 - Ragged Robin (*Lychnis Flos Cuculi*)
 - Red Campion (*Silene Dioica*)
 - Ribwort Plantain (*Plantago Lanceolata*)
 - Rough Hawkbit (*Leontodon Hispidus*)
 - Salad Burnet (*Sanguisorba Minor*)
 - Self Heal (*Prunella Vulgaris*)
 - Small Scabious (*Scabiosa columbaria*)
 - Common Sorrel (*Rumex Acetososa*)
 - White Campion (*Silene Alba*)
 - Wild Carrot (*Daucus carota*)
 - Upright Hedge Parsley (*Torilis Japonica*)
 - Yarrow (*Achillea Millefolium*)
 - Yellow Rattle (*Rhinanthus Minor*)
 - Wild Chive (*Silva Verbenaca*)

Nr	Plant Name	Ht/Spnd	Girth	Root	Density
Trees					
556	<i>Alnus glutinosa</i>	425-600	14-18cm	RB	
27	<i>Alnus glutinosa</i>	325-400	12-14cm	RB	
1585	<i>Alnus glutinosa</i>	300-350	8-10cm	B	
556	<i>Betula pendula</i>	425-600	14-18cm	RB	
27	<i>Betula pendula</i>	325-400	12-14cm	RB	
1585	<i>Betula pendula</i>	300-350	8-10cm	B	
96	<i>Quercus palustris</i>	325-400	12-14cm	RB	
556	<i>Quercus petraea</i>	425-600	14-18cm	RB	
28	<i>Quercus petraea</i>	325-400	12-14cm	RB	
1585	<i>Quercus petraea</i>	300-350	8-10cm	B	
Conifers					
512	<i>Pinus sylvestris</i>	250-300cm	-	RB	
2315	<i>Pinus sylvestris</i>	40-60cm	-	C	1/m ²
1193	<i>Larix decidua</i>	40-60cm	-	C	1/m ²
Hedging					
313	<i>Ligustrum ovalatum</i>	-	-	-	-
Woodland Transplants					
2365	<i>Alnus glutinosa</i>	100-120cm	-	B	1/m ²
3559	<i>Betula pendula</i>	100-120cm	-	B	1/m ²
1502	<i>Corylus avellana</i>	80-100cm	-	B	1/m ²
2461	<i>Crataegus monogyna</i>	80-100cm	-	B	1/m ²
1506	<i>Ilex aquifolium</i>	40-60cm	-	C	1/m ²
1550	<i>Prunus avium</i>	100-120cm	-	B	1/m ²
1550	<i>Prunus padus</i>	100-120cm	-	B	1/m ²
3559	<i>Quercus petraea</i>	100-120cm	-	B	1/m ²
1501	<i>Rosa canina</i>	80-100cm	-	B	1.5/m ²
1501	<i>Ulex europaeus</i>	40-60cm	-	C	1.5/m ²
180	<i>Viburnum opulus</i>	80-100cm	-	B	1.5/m ²
Wetland Plants					
296	<i>Apium nodiflorum</i>	100-120cm	-	C	3/m ²
296	<i>Caltha palustris</i>	100-120cm	-	C	3/m ²
570	<i>Cardamine pratensis</i>	100-120cm	-	C	3/m ²
570	<i>Epilobium palustre</i>	100-120cm	-	C	3/m ²
570	<i>Iris pseudacorus</i>	80-100cm	-	C	3/m ²
570	<i>Lythrum salicaria</i>	80-100cm	-	C	3/m ²
570	<i>Myosotis scorpioides</i>	80-100cm	-	C	3/m ²
570	<i>Myriophyllum spicatum</i>	80-100cm	-	C	3/m ²
4000	<i>Phragmites australis</i>	100-120cm	-	C	3/m ²
570	<i>Ranunculus</i> spp.	100-120cm	-	C	3/m ²
2680	<i>Sparganium</i> spp.	40-60cm	-	C	3/m ²
2680	<i>Typha latifolia</i>	80-100cm	-	C	3/m ²

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30 Proposed Data Centre Edge Connex DUB06
Grange Castle
Landscape Proposals
Planting Plan and Schedule

Scale: 1:1000 @ A1	Status: Planning		
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no	date	drawn	description