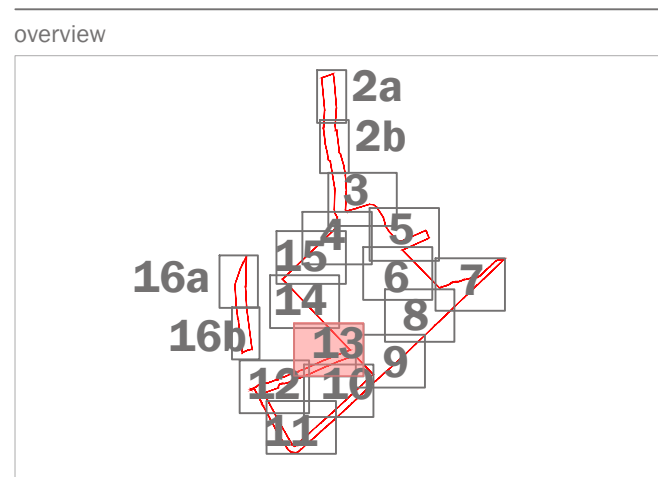


- Site boundary
- Existing Trees and Tree Groups to be Retained
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained
Refer to the Arboricultural Report
- Proposed Tree Planting
Native Group: Native
- Proposed Hedgerow Planting
Native Group: Native
- Proposed Turf
Product: Medallion Turf or similar
Supplier: Robson
- Proposed Flowering Lawn Mixture
Product: ELL Flowering Lawn Mixture
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Species-Rich Meadow Grass
Product: EM2 Basic General Purpose Meadow Mixture
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Tussock Grass Mixture
Product: E220 Tussock Grass Mixture
Supplier: Emmerghy Seeds
Sowing rate: 5g/m²
- Proposed Hedgerow Grass Mixture
Product: E21 Hedgerow Mixture
Supplier: Emmerghy Seeds
Sowing rate: 5g/m²
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Swathe Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin
Product: E58 Meadow Grass Mixture for Wet Soils
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Diverted Watercourse
Refer to Engineers drawings for details
- Extent of Structural Soil/ Underground Crate System
to ensure required rooting volumes for tree planting
- Proposed Gravel for Maintenance Access
- Proposed Footpath
Boulder gravel footpath with timber edging. No dig construction
- Proposed Boundary Fenceline
Refer to Architects drawings for details
- Proposed Trim Trail
Indicative locations of trim trail/ outdoor fitness equipment along proposed trim trail route
- Proposed Earth Mounding
With max 1:3 side slopes
- Proposed Root Barriers
Product: Rootform Barrier sheets to be confirmed by Engineers
Supplier: Green/Bux Urban or similar approved

A risk assessment has been carried out on this design. Residual risks following this process are listed below. A copy of the full Design Risk Register is also available on request from EDP.

- Soft landscaping implementation within a construction environment (across the site);
- Installing trees (across the site);
- Water bodies (attenuation ponds and swales);
- Working within close proximity of underground services;
- Planting on slopes; and
- Working within close proximity of highways.

For further guidance, refer to HSE Construction Design and Management Regulations 2015.



This drawing is to be read in conjunction with all other drawings and specifications within the package.
These drawings have been prepared for design development and are not for construction.
All dimensions are in millimeters unless otherwise specified.
All work shall be done in accordance with the latest British Standards and specifications.
All dimensions shall be given to the nearest millimeter.
All dimensions shall be given to the nearest millimeter.
The drawing must not be copied or used in any way without prior written consent from EDP.

purpose of issue **PLANNING**

c. Project title updated 23-05-2022 RB

b. Updated to revised bounds and adjusted 19-11-2021 LCH

refine

Original Draft issue 12-10-2021 LCH

rev / description / date / by

client

Trifax Symmetry Ltd and Siemens

Healthcare

project title

Symmetry Park, Oxford North

drawing title

Detailed Landscape Proposals

Sheet 13 of 17

date 06 JULY 2022 drawn by LCH

drawing number **edp2425_0017e** checked BC

scale 1:200 @ A0 QA RB

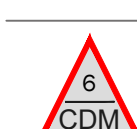
scale

edp the environmental dimension partnership

Registered office: 01285 740427 - www.edp-uk.co.uk - info@edp-uk.co.uk

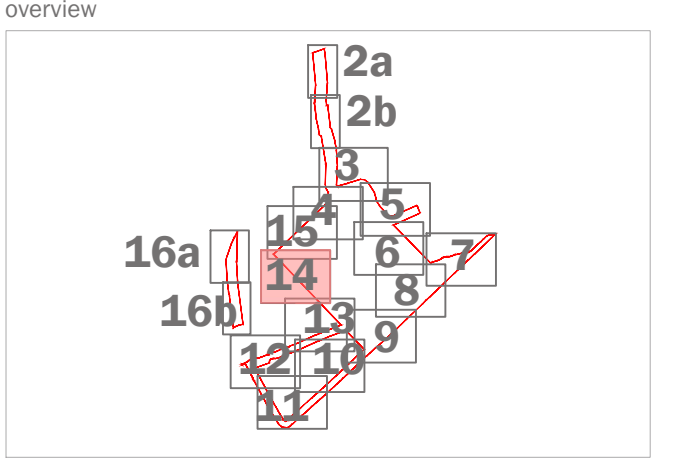


- Site boundary
- Existing Trees and Tree Groups to be Retained
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained
Refer to the Arboricultural Report
- Proposed Tree Planting
Medium Density Hedgerow
- Proposed Hedgerow Planting
- Proposed Turf
Product: Medallion Turf or similar
Supplier: Robson
- Proposed Flowering Lawn Mixture
Product: ELL Flowering Lawn Mixture
Supplier: Emongate Seeds
Sowing rate: 4g/m²
- Proposed Species-Rich Meadow Grass
Product: EM2 Basic General Purpose Meadow Mixture
Supplier: Emongate Seeds
Sowing rate: 4g/m²
- Proposed Tussock Grass Mixture
Product: E520 Tussock Grass Mixture
Supplier: Emongate Seeds
Sowing rate: 5g/m²
- Proposed Hedgerow Grass Mixture
Product: E70 Hedgerow Mixture
Supplier: Emongate Seeds
Sowing rate: 5g/m²
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Swathe Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin
Product: E58 Meadow Grass Mixture for Wet Soils
Supplier: Emongate Seeds
Sowing rate: 4g/m²
- Proposed Diverted Watercourse
Refer to Engineers drawings for details
- Extent of Structural Soil/ Underground Crate System
to ensure required rooting volumes for tree planting
- Proposed Gravel for Maintenance Access
- Proposed Footpath
Boulder gravel footpath with timber edging. No dig construction
- Proposed Boundary Fenceline
Refer to Architects drawings for details
- Proposed Trim Trail
Indicative locations of trim trail/ outdoor fitness equipment along proposed trim trail route
- Proposed Earth Mounding
With max 1:3 side slopes
- Proposed Root Barriers
Product: Reborf Barrier sheets to be confirmed by Engineers
Supplier: GreenBlue Urban or similar approved

 A risk assessment has been carried out on this design. Residual risks following this process are listed below. A copy of the full Design Risk Register is also available on request from EDP.

1. Soft landscaping implementation within a construction environment (across the site);
2. Installing trees (across the site);
3. Water bodies (attenuation ponds and swales);
4. Working within close proximity of underground services;
5. Planting on slopes; and
6. Working within close proximity of highways.

For further guidance, refer to HSE Construction Design and Management Regulations 2015.



This drawing is to be read in conjunction with all other drawings and specifications within the package.
These drawings have been prepared for design development and pricing purposes only.
All dimensions are indicative unless otherwise specified.
No reliance should be placed on these drawings for construction purposes.
All dimensions and quantities are approximate and subject to change without notice.
The drawing must not be copied or used in any way without prior written consent from EDP.

purpose of issue **PLANNING**

c	Project title updated	23-05-2023	RB
b	Updated to revised bounds and adjusted redline	19-11-2021	LCH
-	Original Draft issue	12-10-2021	LCH

rev	description	date	by

client
Tritax Symmetry Ltd and Siemens Healthineers

project title
Symmetry Park, Oxford North

drawing title
Detailed Landscape Proposals

date
06 JULY 2022

drawing number
edp2425_0017e


scale
1:200 @ A0

drawn by
LCH

checked
BC

QA
RB

Sheet 14 of 17

 the environmental dimension partnership

Registered office: 01285 740427 - www.edp-uk.co.uk - info@edp-uk.co.uk



6 CDM A risk assessment has been carried out on this design. Residual risks following this process are listed below. A copy of the full Design Risk Register is also available on request from EDP.

1. Soft landscaping implementation within a construction environment (across the site);
2. Installing trees (across the site);
3. Water bodies (attenuation ponds and swales);
4. Working within close proximity of underground services;
5. Planting on slopes; and
6. Working within close proximity of highways.

For further guidance, refer to HSE Construction Design and Management Regulations 2015.

overview

purpose of issue **PLANNING**

c	Project title updated	23-05-2022	RB
b	Updated to revised bounds and adjusted	19-11-2021	LCH
	refine		
	Original Draft issue	12-10-2021	LCH

rev / description / date / by

client
Trifax Symmetry Ltd and Siemens Healthineers

project title
Symmetry Park, Oxford North

drawing title
Detailed Landscape Proposals

date
06 JULY 2022

drawing number
edp2425_0017e

scale
1:200 @ A0

Sheet 15 of 17

drawn by LCH

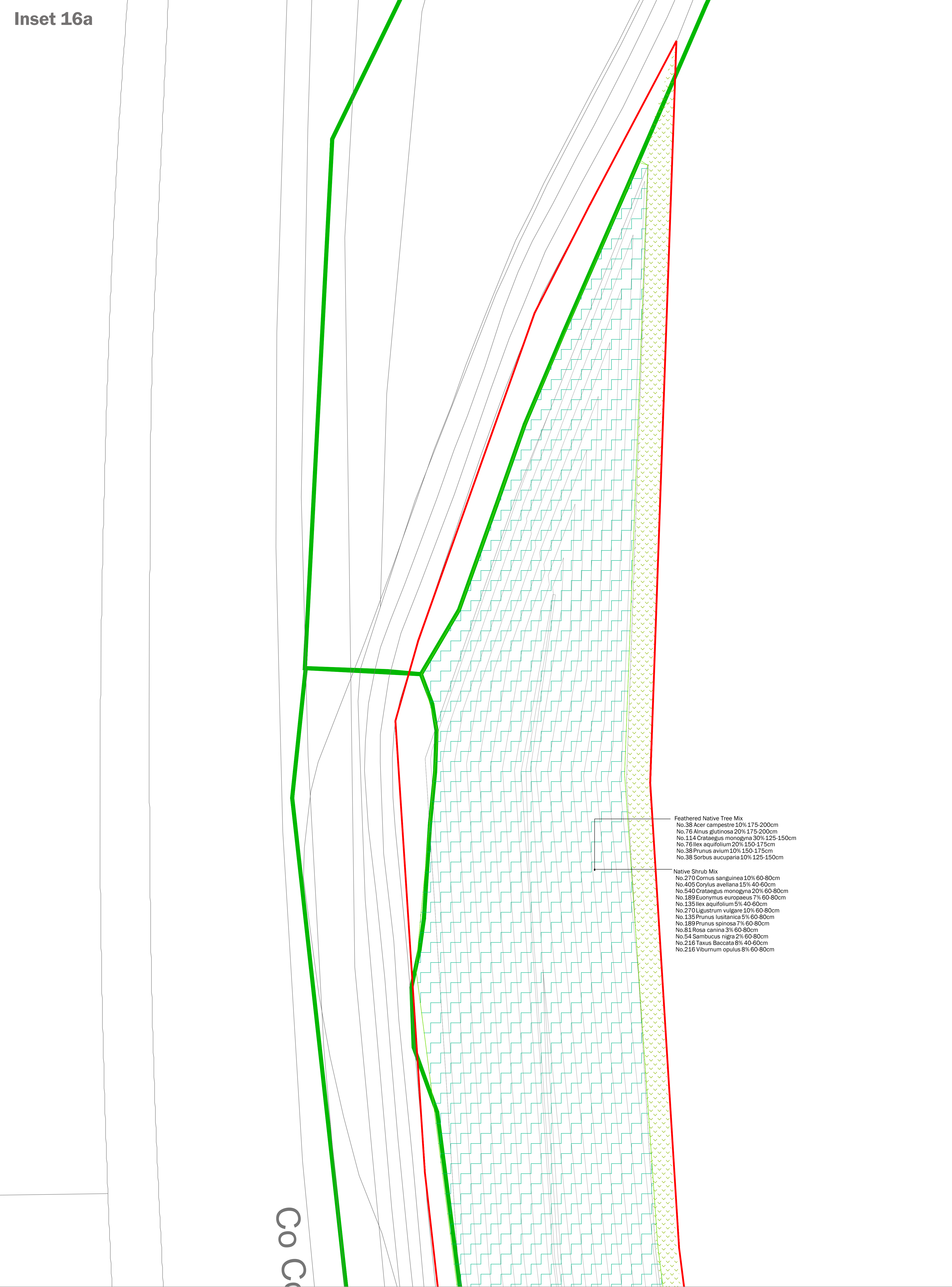
checked BC

QA RB

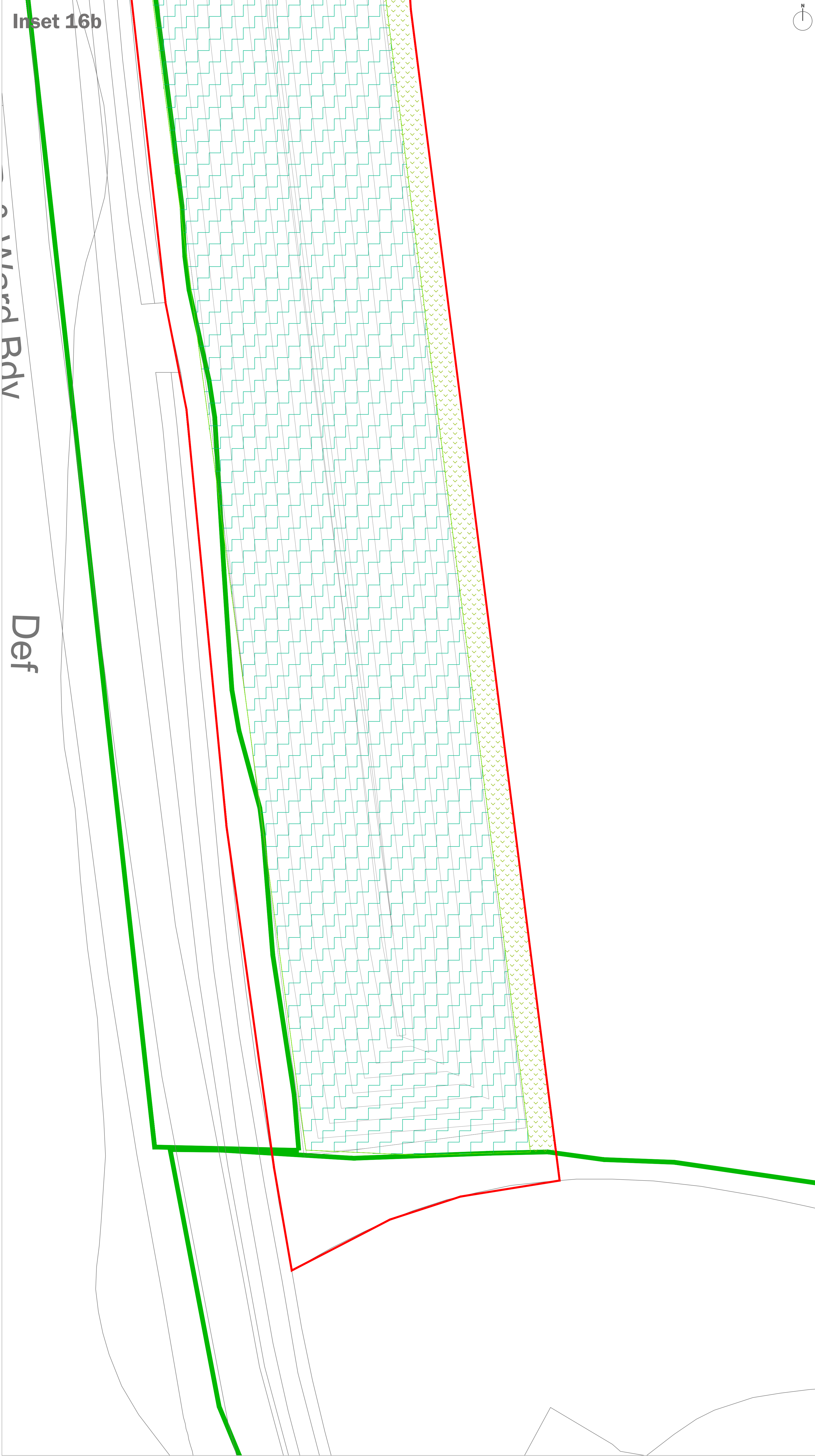
the environmental dimension partnership

Registered office: 01285 740427 - www.edp-uk.co.uk - info@edp-uk.co.uk

Inset 16a

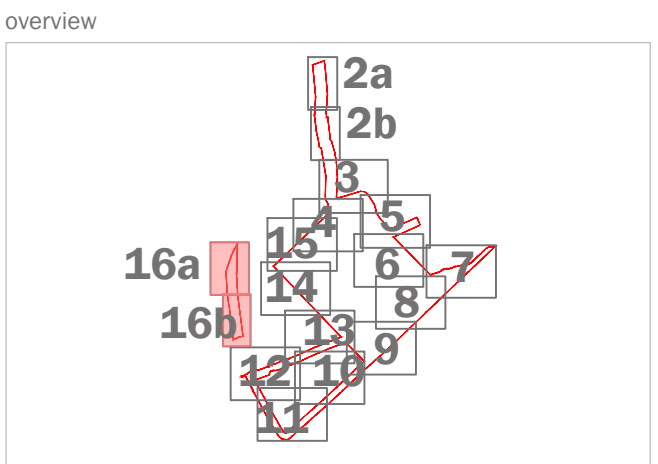


Inset 16b



- Site boundary
- Existing Trees and Tree Groups to be Retained
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained
Refer to the Arboricultural Report
- Proposed Tree Planting
Medium Density Hedgerow
- Proposed Hedgerow Planting
- Proposed Turf
Product: Mediation Turf or similar
Supplier: Robben
- Proposed Flowering Lawn Mixture
Product: ELL Flowering Lawn Mixture
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Species-Rich Meadow Grass
Product: EM2 Basic General Purpose Meadow Mixture
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Tussock Grass Mixture
Product: E620 Tussock Grass Mixture
Supplier: Emmerghy Seeds
Sowing rate: 5g/m²
- Proposed Hedgerow Grass Mixture
Product: E70 Hedgerow Mixture
Supplier: Emmerghy Seeds
Sowing rate: 5g/m²
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Swathe Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin
Product: E68 Meadow Grass Mixture for Wet Soils
Supplier: Emmerghy Seeds
Sowing rate: 4g/m²
- Proposed Diverted Watercourse
Refer to Engineers drawings for details
- Extent of Structural Spoil/ Underground Crate System
to ensure required rooting volumes for tree planting
- Proposed Gravel for Maintenance Access
- Proposed Footpath
Boulder gravel footpath with timber edging. No dig construction
- Proposed Boundary Fenceline
Refer to Architects drawings for details
- Proposed Trim Trail
indicative locations of trim trail/ outdoor fitness equipment along proposed trim trail route
- Proposed Earth Mounding
with max 1:3 side slopes
- Proposed Root Barriers
Product: Belfort Barrier sheets to be confirmed by Engineers
Supplier: Greenflex Urban or similar approved

- A risk assessment has been carried out on this design. Residual risks following this process are listed below. A copy of the full Design Risk Register is also available on request from EDP.
1. Soft landscaping implementation within a construction environment (across the site);
 2. Installing trees (across the site);
 3. Water bodies (attenuation ponds and swales);
 4. Working within close proximity of underground services;
 5. Planting on slopes; and
 6. Working within close proximity of highways.



This drawing is to be read in conjunction with all other drawings and specifications within the package. All dimensions are in millimetres unless otherwise specified. No part of this drawing, whether reproduced or not, may be used for any purpose other than that for which it was prepared without the written consent of the author. The drawing shall not be used for any purpose other than that for which it was prepared.

purpose of issue	PLANNING	23-05-2022	RB
c	Project title updated		
b	Updated to revised bunds and adjusted	19-11-2021	LCH
	refine		
	Original Draft issue	12-10-2021	LCH
rev / description		date	by

client
Trifax Symmetry Ltd and Siemens Healthineers
project title
Symmetry Park, Oxford North

drawing title	Detailed Landscape Proposals	Sheet 16 of 17
date	06 JULY 2022	drawn by LCH
drawing number	edp2425_0017e	checked BC
scale	1:200 @ A0	QA RB

Native Tree and Shrub Planting



Planting Schedule

Trees							
Number	Common Name	Species	Girth	Height	Specification	Density	
25	Common Maple	Acer campestre	12-14cm	350-425cm	RB -Heavy Standard -Clear Stem min. 200	Counted	
187	Common Maple	Acer campestre	175-200cm		Feather -2x 5 brks -B	4Ctr	
19	Field Maple 'Shretwiste'	Acer campestre 'Shretwiste'	12-14cm	350-425cm	RB -Heavy Standard -Clear Stem min. 200	Counted	
19	Italian Alder	Alnus cordata	12-14cm		RB -Heavy Standard -Clear Stem 175-200	Counted	
372	Common alder	Alnus glutinosa	175-200cm		Feather -2x 5 brks -B	4Ctr	
3	Common alder	Alnus glutinosa	12-14cm	350-400cm	RB -Heavy Standard -Clear Stem min. 200	Counted	
32	Common Hornbeam	Carpinus betulus	14-16cm		RB -Extra Heavy Standard -Clear Stem 175-200	Counted	
1	Sweet Chestnut	Castanea sativa	12-14cm	350-425cm	RB -Heavy Standard -Clear Stem 175-200 -5 brks	Counted	
555	Common Hawthorn	Crataegus monogyna	125-150cm		Feather -2x 5 brks -B	4Ctr	
19	Maidenhair Tree	Ginkgo biloba	14-16cm	min. 450cm	Extra Heavy Standard -Clear Stem min. 200	RB	Counted
372	Common Holly	Ilex aquifolium		150-175cm	Feather -2x 5 brks -B	4Ctr	
15	American sweetgum	Liquidambar styraciflua	14-16cm		BR -Extra Heavy Standard -Clear Stem 175-200	Counted	
3	Scots Pine	Pinus sylvestris	14-16cm	min. 450cm	Extra Heavy Standard -Clear Stem min. 200	RB	Counted
21	Flowering Cherry 'Sunset Boulevard'	Prunus 'Sunset Boulevard'	12-14cm	400-450cm	Extra Heavy Standard -Clear Stem min. 200	RB	Counted
187	Wild Cherry	Prunus avium		150-175cm	Transplant 1+2 -B	4Ctr	
31	Charicleaf Pear	Pyrus calleryana 'Charicleaf'	8-10cm		RB -Standard -Clear Stem 175-200 -3 brks	Counted	
4	Holly oak	Quercus ilex	16-18cm		RB -Extra Heavy Standard -Clear Stem 175-200	Counted	
15	Pin oak	Quercus palustris	18-20cm	min. 450cm	Extra Heavy Standard -Clear Stem min. 200	RB	Counted
1	Sessile Oak	Quercus petraea	12-14cm	425-600cm	Extra Heavy Standard -Clear Stem min. 200	RB	Counted
6	Goat Willow	Salix caprea	8-10cm		RB -Standard -Clear Stem 175-200 -3 brks	Counted	
7	Crack Willow	Salix fragilis	12-14cm		RB -Heavy Standard -Clear Stem 175-200	Counted	
2	Bay Willow	Salix pentandra	12-14cm	350-425cm	3x -Heavy Standard -Clear Stem 175-200 -5x -RB	Counted	
187	European mountain ash	Sorbus aucuparia		125-150cm	Feather -2x 3 brks -B	4Ctr	
15	Roman 'Shearwater Seedling'	Sorbus aucuparia 'Shearwater Seedling'	12-14cm		RB -Heavy Standard -Clear Stem 175-200	Counted	
41	Littledale Linden	Tilia cordata	14-16cm	400-450cm	RB -3x -Extra Heavy Standard -Clear Stem 175-200 -5 brks	Counted	
5	Elm 'New Horizon'	Ulmus 'New Horizon'	12-14cm	350-425cm	RB -Heavy Standard -Clear Stem 175-200	Counted	
Total :2144							
Shrubs							
Number	Common Name	Species	Height	Pot Size	Specification	Density	
161	Japanese Laurel 'Rotundifolia'	Acquiba japonica 'Rotundifolia'	30-40cm	3L	Bushy -C	3/m ²	
20	Shrub Ragwort	Brachyglottis 'Sunshine'	30-40cm	3L	Bushy -C	3/m ²	
161	Mexican Orange Blossom 'Ades Pearl'	Choisya 'Ades Pearl'	30-40cm	3L	Bushy -C	3/m ²	
20	Rock Rose 'Silver Pink'	Cistus 'Silver Pink'	30-40cm	3L	Bushy -C	3/m ²	
1338	Common Dogwood	Cornus sanguinea	60-80cm		1+2 -3 brks -B	1.5Ctr	
33	Common Dogwood	Cornus sanguinea	60-80cm		1+2 -3 brks -B	1Ctr	
36	Golden twig dogwood	Cornus canadensis 'Flavivarna'	30-40cm	3L	Branched -C	3/m ²	
2009	Common Hazel	Corylus avellana	40-60cm		1+2 -3 brks -B	1.5Ctr	
33	Common Hazel	Corylus avellana	60-80cm		Branched 1+1 -BR	1Ctr	
2667	Common Hawthorn	Crataegus monogyna	60-80cm		1+1 -B	1.5Ctr	
935	Common Spindle Tree	Eucrymyus europaeus	60-80cm		1+1 -B	1.5Ctr	
36	Eucrymyus 'Eternal Gaiety'	Eucrymyus fortunei 'Eternal Gaiety'	30-40cm	3L	Bushy -C	3/m ²	
32	Shrubby Veronica 'Red Edge'	Hebe 'Red Edge'	30-40cm	3L	Bushy -C	3/m ²	
74	Shrubby Veronica	Hebe albanica	40-60cm	5L	Bushy -C		
32	Shrubby Veronica	Hebe albanica	30-40cm	3L	Bushy -C	3/m ²	
12		Hebe pinguifolia	30-40cm	3L	Bushy -C	3/m ²	
193	a Shrubby Veronica	Hebe rakaiensis	30-40cm	3L	Bushy -C	3/m ²	
74	Severbank 'Annabelle'	Hydrangea arborescens 'Annabelle'	40-60cm	5L	Bushy -C		
161	St John's Wort 'Hidcot'	Hypericum 'Hidcot'	30-40cm	3L	Bushy -C	3/m ²	
669	Common Holly	Ilex aquifolium	40-60cm	3L	C	1.5Ctr	
1338	Common Privet	Ligustrum vulgare	60-80cm	3L	1+1 -3 brks -B	1.5Ctr	
161	Privet Honeysuckle	Lonicera pileata	30-40cm	3L	Bushy -C	3/m ²	
20	Russian Sage 'Blue Spire'	Perovskia atrorubra 'Blue Spire'	30-40cm	3L	Bushy -C	3/m ²	
669	Portugal Laurel	Prunus laurifolia	60-80cm	5-7 SL	C	1.5Ctr	
935	Blackthorn	Prunus spinosa	60-80cm	5-7 SL	1+2 -B	1.5Ctr	
403	Dog Rose	Rosa centia	60-80cm	5-7 SL	1+1 -3 brks -B	1.5Ctr	
20		Rosmarinus off 'Miss Jessop's Upright'	30-40cm	3L	Bushy -C	3/m ²	
33	Purple-osier Willow	Salix purpurea	60-80cm		Branched 1+1 -BR	1Ctr	
33	Common Osier	Salix viminalis	60-80cm		Branched 1+1 -BR	1Ctr	
271	Common Elder	Sambucus nigra	60-80cm		1+1 -3 brks -B	1.5Ctr	
1070	Common Yew	Taxus baccata	40-60cm	3L	C	1.5Ctr	
33	Wayfaring tree	Viburnum lantana	60-80cm		Branched 1+1 -BR	1Ctr	
1070	Guellder Rose	Viburnum opulus	60-80cm		1+2 -3 brks -B	1.5Ctr	
Total :34789							

Herbaceous

Number	Common Name	Species	Height	Pot Size	Specification	Density
28	Yarrow 'Terracotta'	Achillea 'Terracotta'		5L	Full Pot	
56	Balkan Cranebit 'Album'	Geranium macrorrhizum 'Album'		5L	Full Pot	
28		Hebeum 'Moonbeam Beauty'		5L	Full Pot	
28		Knapthofa 'Coral Flame'		5L	Full Pot	
28		Rudbeckia 'Goldsturm'		5L	Full Pot	

Total :168

Bulbs

Number	Common Name	Species	Bulb Size	Specification	Density
247		Orocus tomianianus 'Ruby Giant'	Grade 7/8		15/m ²
247		Narcissus 'Tide a Tide'	Grade 7/8		15/m ²
247	Wild Daffodil	Narcissus pseudonarcissus	Grade 7/8		15/m ²

Total :741

Grasses

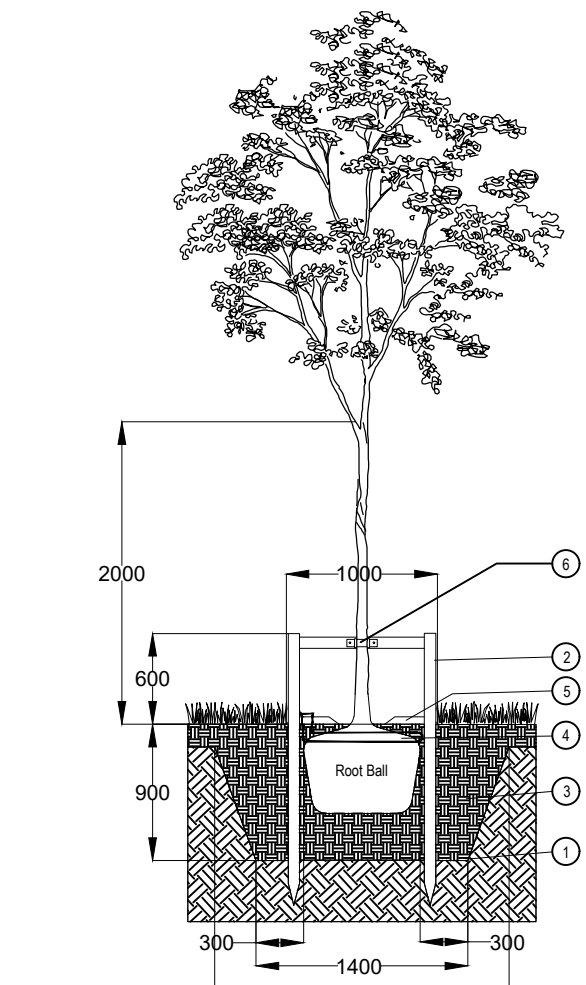
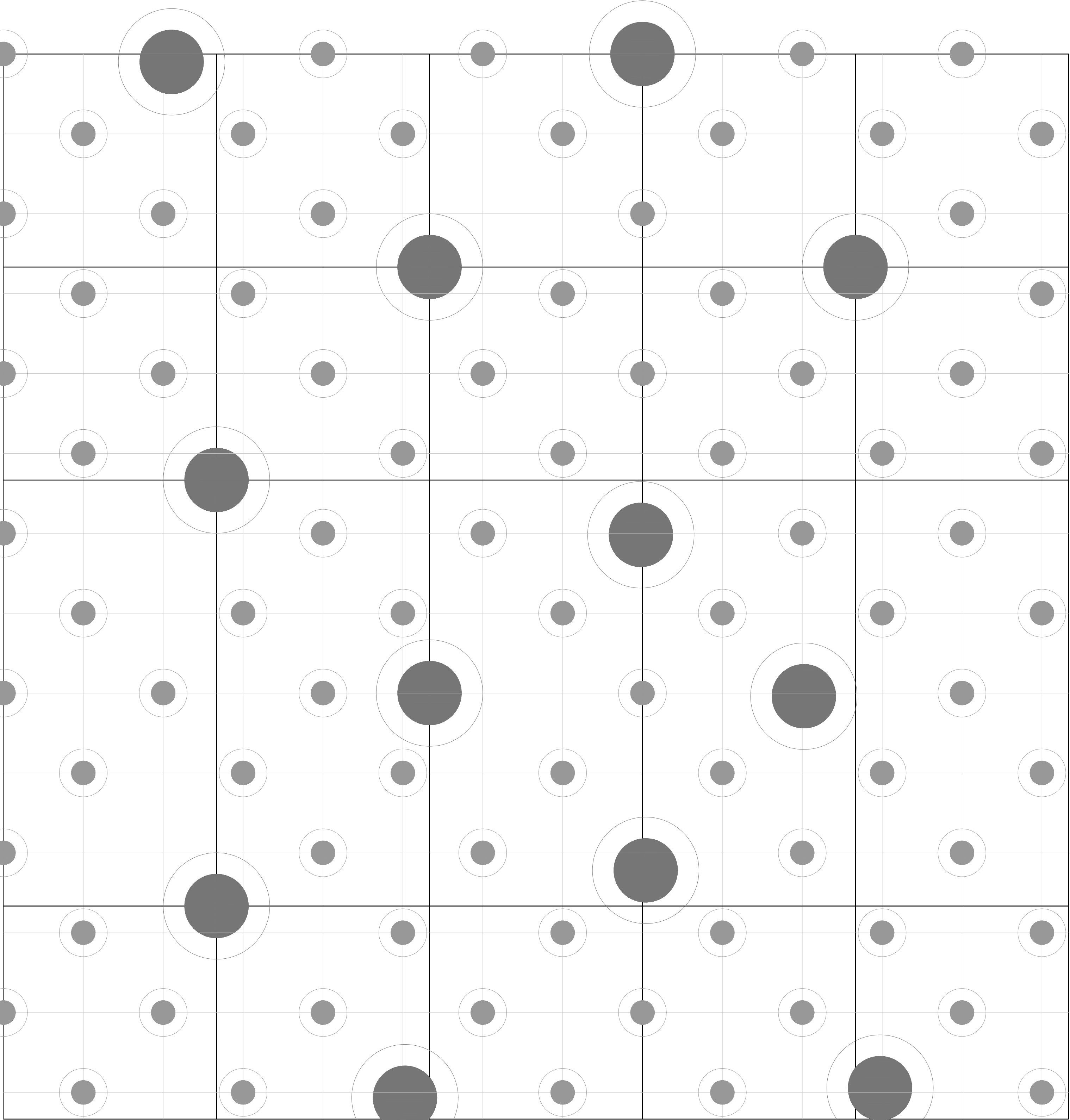
Number	Common Name	Species	Specification	Density
20	Tufted Hair Grass 'Goldita'	Deschampsia cespitosa 'Goldita'	Full Pot	3/m ²
84	Eulalia	Miscanthus sinensis	Full Pot	
84	Giant Feather Grass	Stipa gigantea	Full Pot	
100	Mexican Feather Grass	Stipa tenuissima	Full Pot	3/m ²

Total :288

Hedges

Number	Common Name	Species	Height	Specification	Density
463	Common Maple	Acer campestre	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
1249	Common Hornbeam	Carpinus betulus	60-80cm	1+1 -B	0.5Ctr Double Staggered at 0.4m offset
155	Common Dogwood	Cornus sanguinea	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
309	Common Hazel	Corylus avellana	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
614	Common Hawthorn	Crataegus monogyna	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
700	Common Beech	Fagus sylvatica	60-80cm	1+1 -B	0.5Ctr Double Staggered at 0.4m offset
165	Common Holly	Ilex aquifolium	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
614	Baccharis	Phytolacca	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
155	Dog Rose	Rosa canina	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
309	Common Elder	Sambucus nigra	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset
1310	Common Yew	Taxus baccata	60-80cm	1+1 -B	0.5Ctr Double Staggered at 0.4m offset
309	Guellder Rose	Viburnum opulus	60-80cm	Branched 1+1 -B	0.5Ctr Double Staggered at 0.4m offset

Total :6342



Tree Pit Detail

- Excavate tree pit to sufficient size to accommodate tree root ball with 300mm free space around the root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
- 2x tannalised timber tree stakes 1.8m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree.
- Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil amendments may be used sparingly or imported topsoil compliant with BS3582 should be used.
- RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filter cap finishes slightly above mulch level.
- 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.
- Use a single tree tie comprising nylon reinforced rubber belt and pad/spacer fixed to cross bar in accordance with manufacturers guidance. (Green Blue Urban G18358 180mm wide belt) and G18454 180mm Extra Large Pad) or similar approved)

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10.

Products underlined above are available from Green Blue Urban (<http://greenblueurban.com/>).

Tree Maintenance and Management During 5 Year Establishment Period

- Immediately following planting, the tree should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted trees should be watered regularly during periods of dry weather. If the tree pit has been specified with an irrigation pipe, this should be used as the primary method of watering. If no irrigation pipe is specified, the square metre of ground around the tree should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.
- All trees are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.
- A formal assessment of young tree health and development should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties should be checked to ensure they are providing adequate protection and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base should be re-firmed and stakes and ties adjusted accordingly.

The mulched area around the base of the tree should be kept clear of competing vegetation and weeds at all times.

Tree stakes and ties should be removed once the tree has established a strong enough root system to support itself. Ideally to be 1-2 years after planting. Tree guards should only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning should be carried out in accordance with BS3998 as required throughout the 5 year establishment period.

For further guidance on tree maintenance during establishment refer to BS8545:2014 Section 11.



Tree Pit Detail

- Excavate tree pit to sufficient size to accommodate tree root ball with 300mm free space around the root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
- 2x tannalised timber tree stakes 1.8m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree.
- Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil amendments may be used sparingly or imported topsoil compliant with BS3582 should be used.
- RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filter cap finishes slightly above mulch level.
- 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.
- Use a single tree tie comprising nylon reinforced rubber belt and pad/spacer fixed to cross bar in accordance with manufacturers guidance. (Green Blue Urban G18358 180mm wide belt) and G18454 180mm Extra Large Pad) or similar approved)

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10.

Products underlined above are available from Green Blue Urban (<http://greenblueurban.com/>).

Tree Maintenance and Management During 5 Year Establishment Period

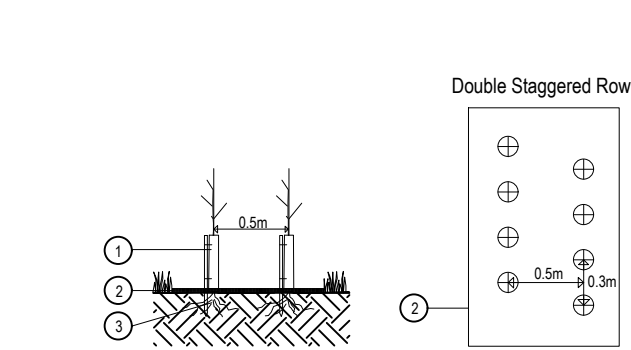
- Immediately following planting, the tree should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted trees should be watered regularly during periods of dry weather. If the tree pit has been specified with an irrigation pipe, this should be used as the primary method of watering. If no irrigation pipe is specified, the square metre of ground around the tree should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.
- All trees are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.
- A formal assessment of young tree health and development should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties should be checked to ensure they are providing adequate protection and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base should be re-firmed and stakes and ties adjusted accordingly.

The mulched area around the base of the tree should be kept clear of competing vegetation and weeds at all times.

Tree stakes and ties should be removed once the tree has established a strong enough root system to support itself. Ideally to be 1-2 years after planting. Tree guards should only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning should be carried out in accordance with BS3998 as required throughout the 5 year establishment period.

For further guidance on tree maintenance during establishment refer to BS8545:2014 Section 11.



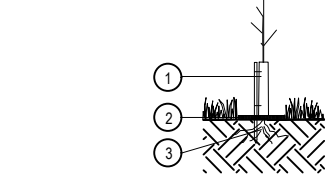
Tree Pit Detail

- Excavate tree pit to sufficient size to accommodate tree root ball with 300mm free space around the root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
- 2x tannalised timber tree stakes 1.8m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree.
- Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil amendments may be used sparingly or imported topsoil compliant with BS3582 should be used.
- RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filter cap finishes slightly above mulch level.
- 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.
- Use a single tree tie comprising nylon reinforced rubber belt and pad/spacer fixed to cross bar in accordance with manufacturers guidance. (Green Blue Urban G18358 180mm wide belt) and G18454 180mm Extra Large Pad) or similar approved)

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10 and BS4428:1989 Section 9.

Products suggested in italics above are available from Tubex (<http://www.tubex.com/>).



Tree Pit Detail

- Excavate tree pit to sufficient size to accommodate tree root ball with 300mm free space around the root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
- 2x tannalised timber tree stakes 1.8m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree.
- Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil amendments may be used sparingly or imported topsoil compliant with BS3582 should be used.
- RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filter cap finishes slightly above mulch level.
- 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.
- Use a single tree tie comprising nylon reinforced rubber belt and pad/spacer fixed to cross bar in accordance with manufacturers guidance. (Green Blue Urban G18358 180mm wide belt) and G18454 180mm Extra Large Pad) or similar approved)

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10 and BS4428:1989 Section 9.

Products suggested in italics above are available from Tubex (<http://www.tubex.com/>).

Tree Maintenance and Management During 5 Year Establishment Period

Immediately following planting, the tree should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted trees should be watered regularly during periods of dry weather. If the tree pit has been specified with an irrigation pipe, this should be used as the primary method of watering. If no irrigation pipe is specified, the square metre of ground around the tree should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.

All trees are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

A formal assessment of young tree health and development should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties should be checked to ensure they are providing adequate protection and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base should be re-firmed and stakes and ties adjusted accordingly.

The mulched area around the base of the tree should be kept clear of competing vegetation and weeds at all times.

Tree stakes and ties should be removed once the tree has established a strong enough root system to support itself. Ideally to be 1-2 years after planting. Tree guards should only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning should be carried out in accordance with BS3998 as required throughout the 5 year establishment period.

For further guidance on tree maintenance during establishment refer to BS8545:2014 Section 11.

Whip Maintenance and Management During 5 Year Establishment Period

Immediately following planting, the whip should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted whips should be watered regularly during periods of dry weather. When watering the square metre of ground around the whip should be soaked to field capacity (refer to BS 8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the roots of the newly planted whip from drying out.

All whips are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

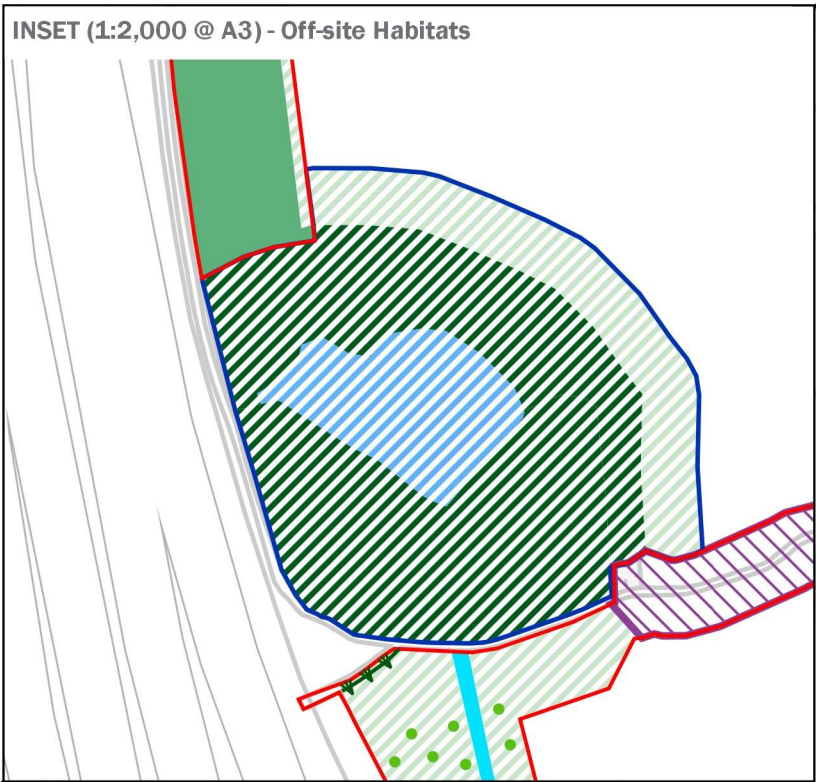
A formal assessment of areas of whip planting should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any guards and canes/stakes should be checked to ensure they are providing adequate protection and that the whips are still firmly seated in the ground. If the whip has become loose in the ground the soil around the base should be re-firmed and guards adjusted accordingly.

The spine above the mulch mat around the whip should be kept clear of competing vegetation and weeds at all times.

The spine shelter/ guard should be removed once the whip has established a strong enough root system to support itself and has begun to grow strongly clear of the top of the shelter guard. Ideally to be 1-2 years after planting. Biodegradable mulch mats can remain in place indefinitely.

Formative pruning should be carried out in accordance with BS3998 as required during the first 5 years to ensure the desired form is achieved.

For further guidance on whip and tree maintenance during establishment refer to BS8545:2014 Section 11.



- Site Boundary
- Off-site Habitats
- Area Excluded from BNG Assessment
- Retained Habitats**
 - Ditch (Poor Condition)
 - Modified Grassland (Poor Condition)
 - Other Neutral Grassland (Poor Condition)
 - Line of Trees (Poor Condition)
 - Native Species-rich Hedgerow with Trees
- Enhanced Habitats**
 - Other Broadleaved Woodland (Good Condition)
 - Other Neutral Grassland (Good Condition)
 - Other Neutral Grassland (Moderate Condition)
 - Pond (Good condition)
- Created Habitats**
 - Mixed Scrub (Good Condition)
 - Modified Grassland (Moderate Condition)
 - Other Neutral Grassland (Good Condition)
 - Other Neutral Grassland (Moderate Condition)
 - Amenity Grassland (Poor Condition)
 - Introduced Shrub (Poor Condition)
 - Ditch (Poor Condition)
 - Developed Land; Sealed Surface
 - Created Artificial Unvegetated, Unsealed Surface
 - Native Hedgerow (Good Condition)
 - Native Hedgerow with Trees (Good Condition)
 - Native Species-rich Hedgerow (Good Condition)
 - Urban Tree - Small (Moderate Condition)

client
Tritax Symmetry Ltd and Siemens Healthineers

project title
Symmetry Park, Oxford North

drawing title
Post-Development Habitats

date	30 JUNE 2022	drawn by	GY
drawing number	edp2425_d049b	checked	CP
scale	1:5,000 @ A3	QA	RB



Registered office: 01285 740427 - www.edp-uk.co.uk - info@edp-uk.co.uk



the environmental
dimension partnership

CARDIFF
02921 671900

CHELTENHAM
01242 903110

CIRENCESTER
01285 740427

info@edp-uk.co.uk
www.edp-uk.co.uk

The Environmental Dimension Partnership Ltd. Registered as a Limited Company in England and Wales. Company No. 09102431. Registered Office: Tithe Barn, Barnsley Park Estate, Barnsley, Cirencester, Gloucestershire GL7 5EG



**URBAN
DESIGN
GROUP** REGISTERED
PRACTICE

IEMA Transforming the world
to sustainability

**Landscape
Institute**
Registered practice