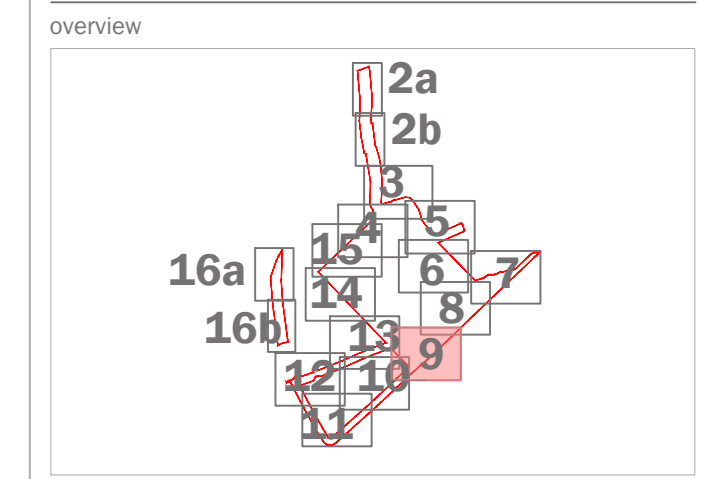


- Site boundary
- Existing Trees and Tree Groups to be Retained  
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained  
Refer to the Arboricultural Report
- Proposed Tree Planting
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robson
- Proposed Flowering Lawn Mixture  
Product: ELL Flowering Lawn Mixture  
Supplier: Emeragay Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: EML Basic General Purpose Meadow Mixture  
Supplier: Emeragay Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: EGD Tussock Grass Mixture  
Supplier: Emeragay Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: EHL Hedgerow Mixture  
Supplier: Emeragay Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Sward Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin  
Product: EGG Meadow Grass Mixture for Wet Soils  
Supplier: Emeragay Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Gravel/grass footpath with timber edging. No-tie construction
- Proposed Boundary Fenceline  
Refer to Architects drawings for details
- \* Proposed Trim Trail  
indicates locations of trim trail/ outdoor fitness equipment along proposed trim trail route
- Proposed Earth Mounding  
with max. 2.5m slope
- Proposed Root Barriers  
Product: Reflex Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendesbury Brook

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. Please ensure that you have completed the design development and construction programme and all dimensions, materials and other information specified. An approval of this drawing, whether incorporated in a tender, shall constitute an agreement to the drawing and shall be a condition of contract. The drawing shall be used in accordance with the contract documents.

purpose of issue <b>PLANNING</b>			
T Ecological Buffer Advice, Trim Trail	18-10-2022	LH	
Amended	06-07-2022	LCH	
rev	description	date	by
1	01-07-2022	LCH	

client  
**Trifax Symmetry Ltd and Siemens Healthineers**

project title  
**Symmetry Park, Oxford North**

drawing title  
**Detailed Landscape Proposals**

date **18 OCTOBER 2022** drawn by **LH**

drawing number **edp2425\_00171** checked **BC**

scale **1:200 @ A0** QA **RB**

Sheet 9 of 17



Tilia cordata 400-450cm 14-16cm

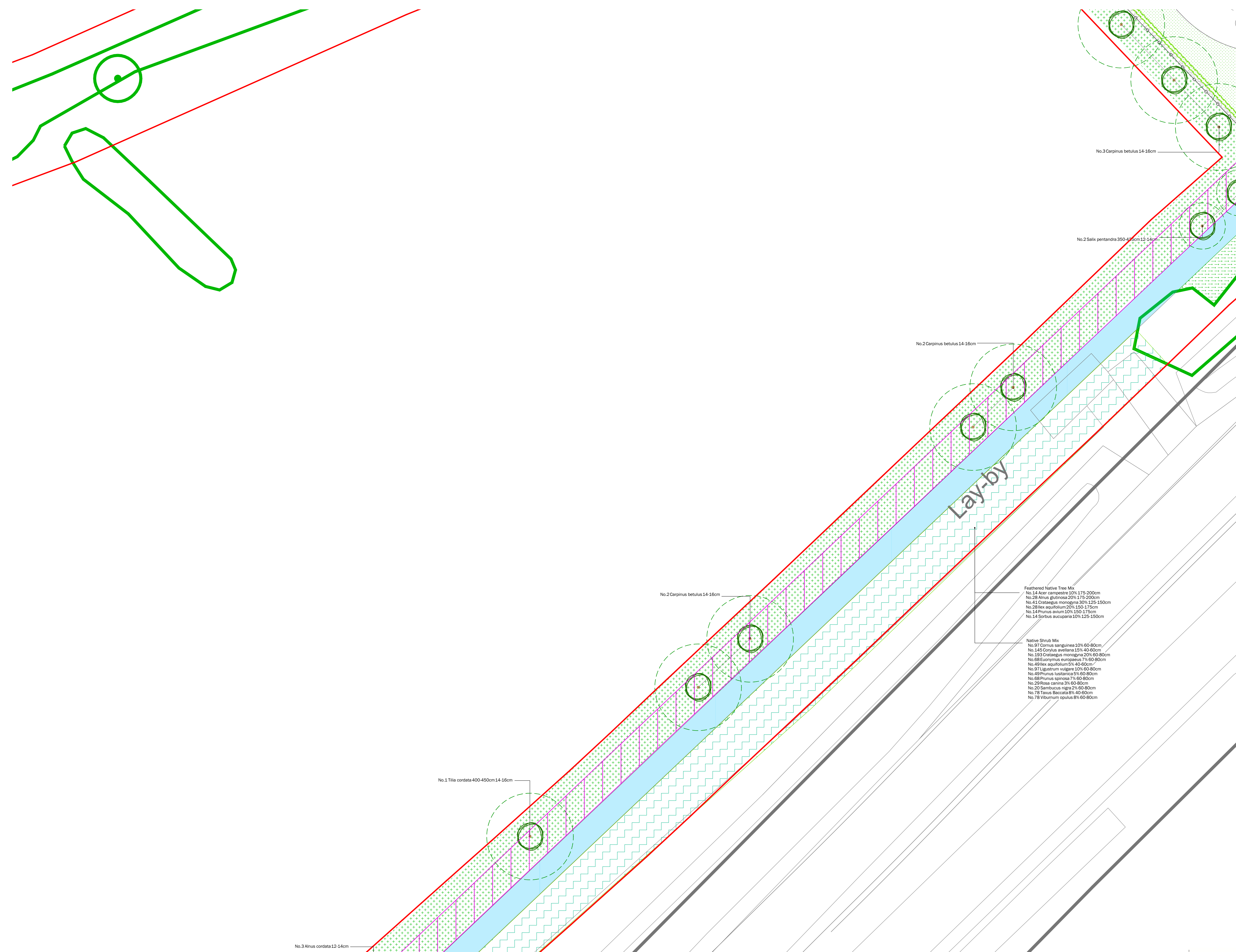
No.3 Alnus cordata 12-14cm

No.1 Alnus cordata 12-14cm

No.3 Carpinus betulus 14-16cm

No.2 Salix pentandra 350-425cm 12-14cm

No.2 Carpinus betulus 14-16cm



- 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
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robben
- Proposed Flowering Lawn Mixture  
Product: FL Flowering Lawn Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: EM3 Basic General Purpose Meadow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: EG20 Tussock Grass Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: EH1 Hedgerow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Sward Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin  
Product: EG6 Meadow Grass Mixture for Wet Soils  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Graded gravel footpath with timber edging. No-tie 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 a 2:1 side-slope
- Proposed Root Barriers  
Product: Rootbar Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

- Feathered Native Tree Mix**  
 No.14 Acer campestre 10% 175-200cm  
 No.28 Anus glutinosa 20% 175-200cm  
 No.41 Crataegus monogyna 30% 125-150cm  
 No.28 Ilex aquifolium 20% 150-175cm  
 No.14 Prunus avium 10% 150-175cm  
 No.14 Sorbus aucuparia 10% 125-150cm
- Native Shrub Mix**  
 No.97 Cornus sanguinea 10% 60-80cm  
 No.145 Corylus avellana 15% 40-60cm  
 No.193 Crataegus monogyna 20% 60-90cm  
 No.68 Euonymus europaeus 7% 60-90cm  
 No.49 Ilex aquifolium 5% 40-60cm  
 No.97 Ligustrum vulgare 10% 60-90cm  
 No.49 Prunus lustanica 5% 60-80cm  
 No.68 Prunus spinosa 7% 60-80cm  
 No.29 Rosa canina 3% 60-80cm  
 No.20 Sambucus nigra 2% 60-80cm  
 No.78 Taxus Baccata 8% 40-60cm  
 No.78 Viburnum opulus 8% 60-80cm

- 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

This drawing is to be read in conjunction with all other drawings and specifications within the package.  
 Please refer to the relevant sections of the design development and construction specifications.  
 All dimensions are indicated unless otherwise specified.  
 An approved plan of the drawing, unless otherwise stated, shall be used for construction.  
 The drawing shall not be used for any other purpose without the prior written consent of EDP.  
 The drawing shall not be used for any other purpose without the prior written consent of EDP.

purpose of issue **PLANNING**

T	Ecological Buffer Advice, Trim Trail	18-10-2022	LH
A	Amended	06-07-2022	LCH
D		01-07-2022	LCH
rev	description	date	by

client  
**TriTax Symmetry Ltd and Siemens Healthineers**

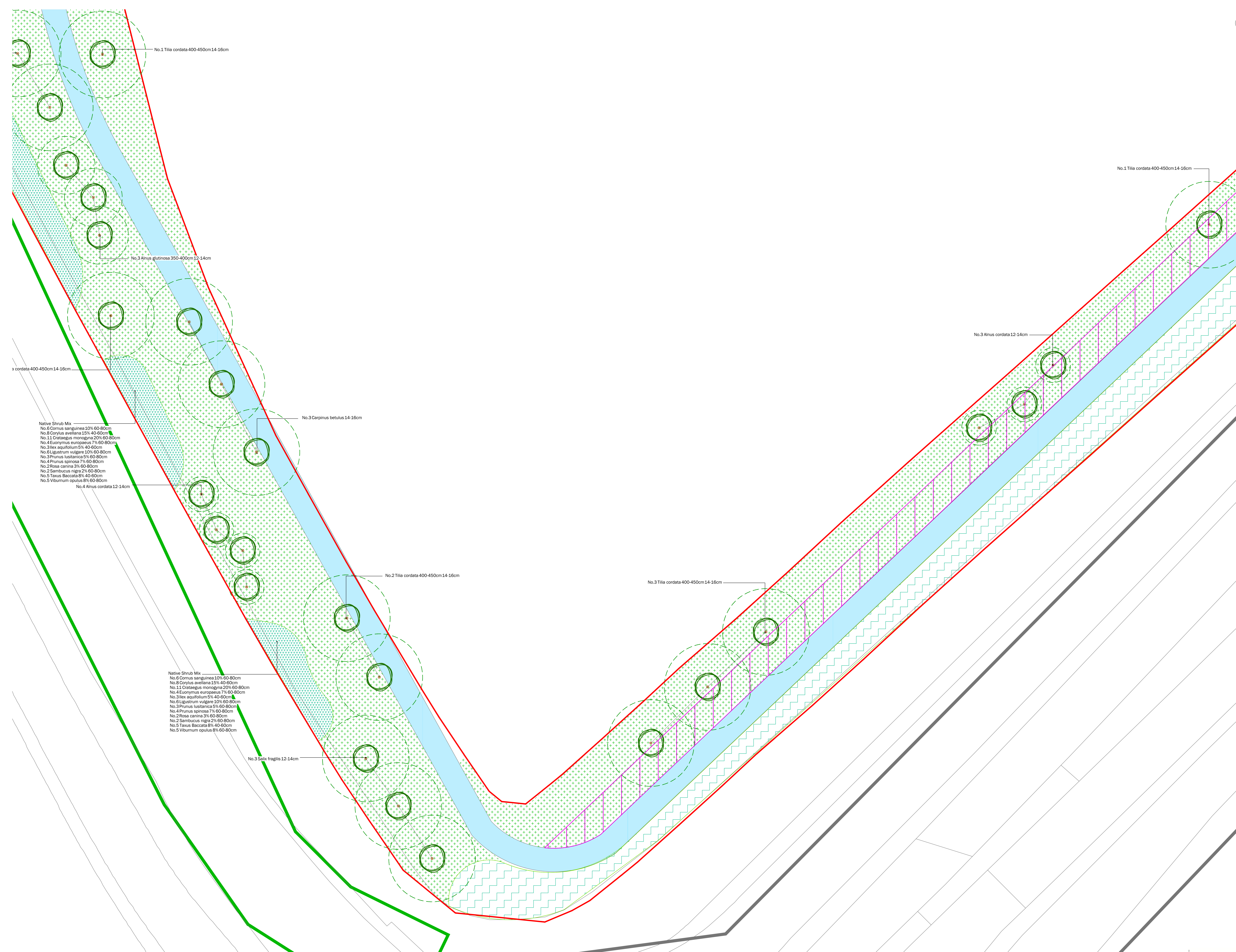
project title  
**Symmetry Park, Oxford North**

drawing title  
**Detailed Landscape Proposals**

date **18 OCTOBER 2022** drawn by **LH**  
 drawing number **edp2425\_00171** checked **BC**  
 scale **1:200 @ A0** QA **RB**

Sheet 10 of 17

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
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robben
- Proposed Flowering Lawn Mixture  
Product: E13 Flowering Lawn Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: E14 Basic General Purpose Meadow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: E15 Tussock Grass Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: E16 Hedgerow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- 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: E18 Meadow Grass Mixture for Wet Soils  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Shaded gravel footpath with timber edging. No-tie 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 2:1 side slope
- Proposed Root Barriers  
Product: Rootbar Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

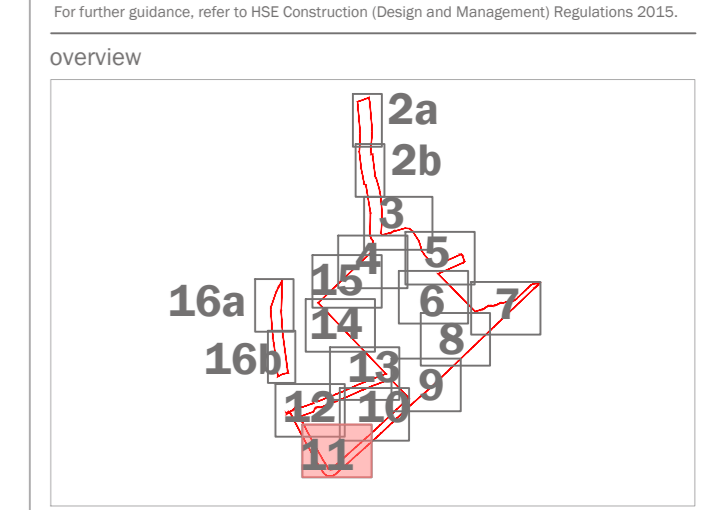
- Native Shrub Mix
- No.6 Cornus sanguinea 10% 60-80cm
  - No.8 Corylus avellana 15% 40-60cm
  - No.11 Crataegus monogyna 20% 60-80cm
  - No.4 Euonymus europaeus 7% 60-80cm
  - No.3 Ilex aquifolium 5% 40-60cm
  - No.6 Ligustrum vulgare 10% 60-80cm
  - No.3 Prunus lusitana 5% 60-80cm
  - No.4 Prunus spinosa 7% 60-80cm
  - No.2 Rosa canina 3% 60-80cm
  - No.2 Sambucus nigra 2% 60-80cm
  - No.5 Taxus baccata 8% 40-60cm
  - No.5 Viburnum opulus 8% 60-80cm

- Native Shrub Mix
- No.6 Cornus sanguinea 10% 60-80cm
  - No.8 Corylus avellana 15% 40-60cm
  - No.11 Crataegus monogyna 20% 60-80cm
  - No.4 Euonymus europaeus 7% 60-80cm
  - No.3 Ilex aquifolium 5% 40-60cm
  - No.6 Ligustrum vulgare 10% 60-80cm
  - No.3 Prunus lusitana 5% 60-80cm
  - No.4 Prunus spinosa 7% 60-80cm
  - No.2 Rosa canina 3% 60-80cm
  - No.2 Sambucus nigra 2% 60-80cm
  - No.5 Taxus baccata 8% 40-60cm
  - No.5 Viburnum opulus 8% 60-80cm

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 used in conjunction with all other drawings and specifications within the package. Please ensure that any amendments to this drawing are clearly identified and approved by the client. All dimensions are in millimeters unless otherwise specified. The client is responsible for ensuring that the site is suitable for the proposed works. The drawing is not to be used for any other purpose without the written consent of EDP.

purpose of issue **PLANNING**

1	Ecological Buffer Access, Trim Trail	18-10-2022	LH
2	Amended	06-07-2022	LCH
3		01-07-2022	LCH
4			

client  
**TriTax Symmetry Ltd and Siemens Healthineers**

project title  
**Symmetry Park, Oxford North**

drawing title  
**Detailed Landscape Proposals**

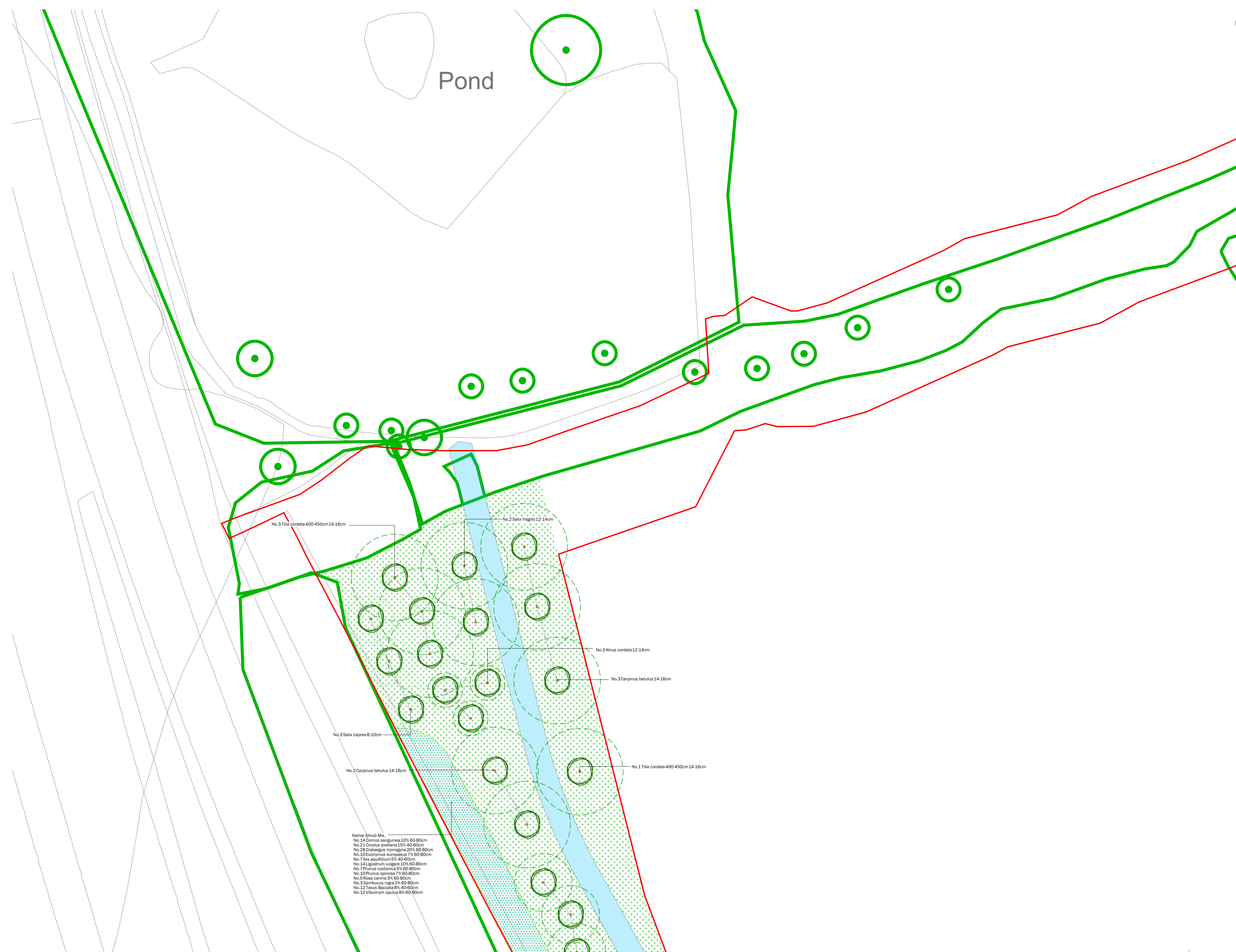
date **18 OCTOBER 2022** drawn by **LH** Sheet 11 of 17

drawing number **edp2425\_00171** checked **BC**

scale **1:200 @ A0** QA **RB**

the environmental dimension partnership

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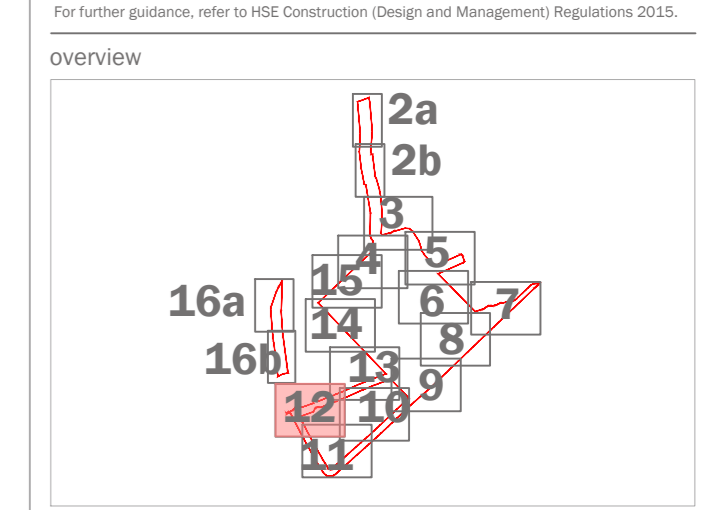
- Native Shrub Mix:
- No. 14 Cornus sanguinea 10% 60-80cm
  - No. 21 Corylus avellana 15% 40-60cm
  - No. 28 Crataegus monogyna 20% 60-80cm
  - No. 20 Euonymus europaeus 7% 60-80cm
  - No. 7 Ilex aquifolium 5% 40-60cm
  - No. 4 Ligustrum vulgare 10% 60-80cm
  - No. 7 Prunus laetissima 5% 60-80cm
  - No. 10 Prunus spinosa 7% 60-80cm
  - No. 5 Rosa canina 3% 60-80cm
  - No. 3 Sambucus nigra 2% 60-80cm
  - No. 12 Taxus Baccata 8% 40-60cm
  - No. 12 Viburnum opulus 8% 60-80cm

- 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 Genus Hedgerow
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robam
- Proposed Flowering Lawn Mixture  
Product: E1 Flowering Lawn Mixture  
Supplier: Emongy Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: E3X Basic General Purpose Meadow Mixture  
Supplier: Emongy Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: E620 Tussock Grass Mixture  
Supplier: Emongy Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: E13 Hedgerow Mixture  
Supplier: Emongy Seeds  
Sowing rate: 5g/m<sup>2</sup>
- 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: Emongy Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Bridged gravel footpath with timber edging. No-tie 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 2:1 side-slopes
- Proposed Root Barriers  
Product: Root Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

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 2013.



This drawing is to be used in conjunction with all other drawings and specifications within the package. Please ensure that any amendments to design, drawings and specifications are made to all relevant drawings and specifications. All dimensions are in millimeters unless otherwise specified. All work shall be done in accordance with the relevant standards and specifications. The drawing shall be used in accordance with the relevant standards and specifications. The drawing shall be used in accordance with the relevant standards and specifications.

purpose of issue	PLANNING	18-10-2022	LH
T Ecological Buffer Access, Trim Trail	Attended	06-07-2022	LCH
#		01-07-2022	LCH
d		01-07-2022	LCH
rev	description	date	by

client  
**Tritax Symmetry Ltd and Siemens Healthineers**

project title  
**Symmetry Park, Oxford North**

drawing title  
**Detailed Landscape Proposals**

date  
18 OCTOBER 2022

drawing number  
edp2425\_60171

scale  
1:200 @ A0

Sheet 12 of 17

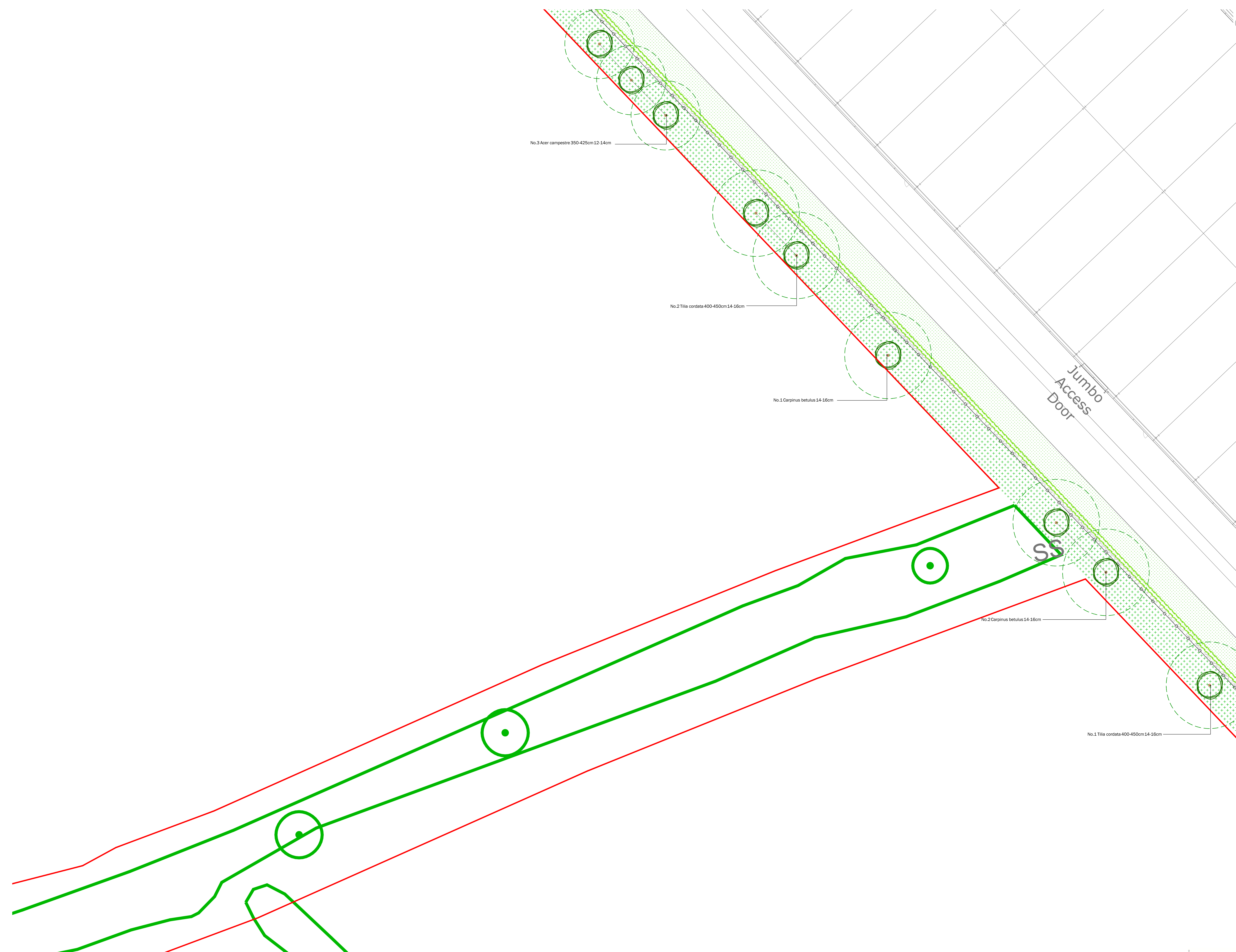
drawn by  
LH

checked  
BC

QA  
RB

the environmental dimension partnership

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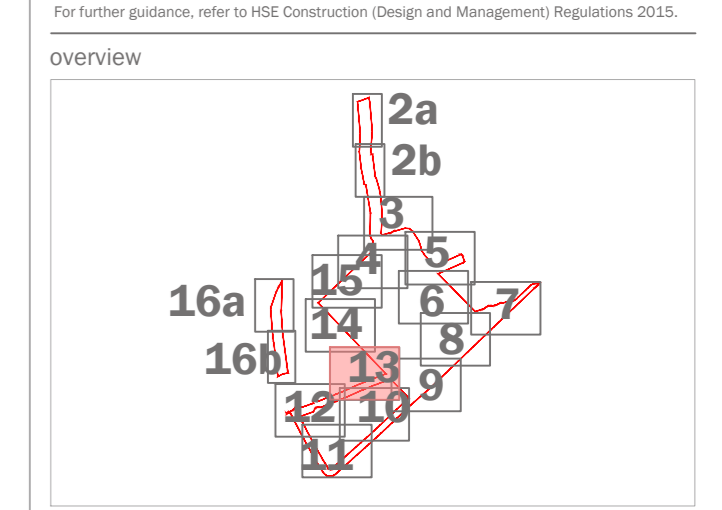


- Site boundary
- Existing Trees and Tree Groups to be Retained  
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained  
Refer to the Arboricultural Report
- Proposed Tree Planting
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robben
- Proposed Flowering Lawn Mixture  
Product: E13 Flowering Lawn Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: E14 Basic General Purpose Meadow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: E15 Tussock Grass Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: E16 Hedgerow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- 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: E18 Meadow Grass Mixture for Wet Soils  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Shaded gravel footpath with timber edging. No-tie construction
- Proposed Boundary Fence Line  
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: Rootbar Barrier (depths to be confirmed by Engineers)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

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);
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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 used in conjunction with all other drawings and specifications within the package. Please ensure that you are aware of any design changes and specifications within the package. All dimensions are indicated unless otherwise specified. All dimensions are in millimeters unless otherwise specified. All dimensions are in millimeters unless otherwise specified. All dimensions are in millimeters unless otherwise specified.

purpose of issue <b>PLANNING</b>			
T	Ecological Buffer Advice, Trim Trail	18-10-2022	LH
#	Amended	06-07-2022	LCH
d		01-07-2022	LCH
rev	description	date	by
client <b>Trifax Symmetry Ltd and Siemens Healthineers</b>			
project title <b>Symmetry Park, Oxford North</b>			
drawing title <b>Detailed Landscape Proposals</b>			
date	18 OCTOBER 2022	drawn by	LH
drawing number	edp2425_00171	checked	BC
scale	1:200 @ A0	QA	RB

Sheet 13 of 17

the environmental dimension partnership  
Registered office: 01285 740427 www.edp-uk.co.uk info@edp-uk.co.uk

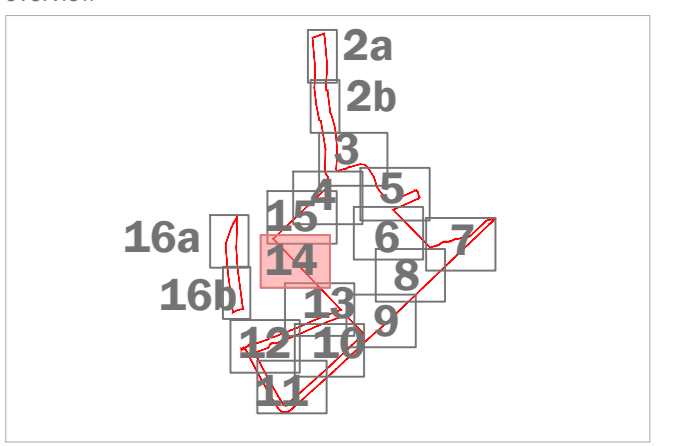


- Site boundary
- Existing Trees and Tree Groups to be Retained  
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained  
Refer to the Arboricultural Report
- Proposed Tree Planting
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robson
- Proposed Flowering Lawn Mixture  
Product: E13 Flowering Lawn Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: E14 Basic General Purpose Meadow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: E10 Tussock Grass Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: E11 Hedgerow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Sward Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin  
Product: E16 Meadow Grass Mixture for Wet Soils  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Graded gravel footpath with timber edging. No-tie 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 2:1 side-slopes
- Proposed Root Barriers  
Product: Reflex Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

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 used in conjunction with all other drawings and specifications within the package. Please ensure that you have read the full design and specification pack before use. All dimensions are in millimeters unless otherwise specified. All work shall be done in accordance with the relevant British Standards. All materials shall be of the highest quality and shall be suitable for the intended use. The drawing shall be used in accordance with the relevant British Standards.

purpose of issue		PLANNING
T	Ecological Buffer Advice, Tree Trail	18-10-2022 LCH
A	Amended	06-07-2022 LCH
R		01-07-2022 LCH
rev	description	date
		by

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

drawing title		Sheet 14 of 17	
date	18 OCTOBER 2022	drawn by	LCH
drawing number	edp2425_00171	checked	BC
scale	1:200 @ A0	QA	RB

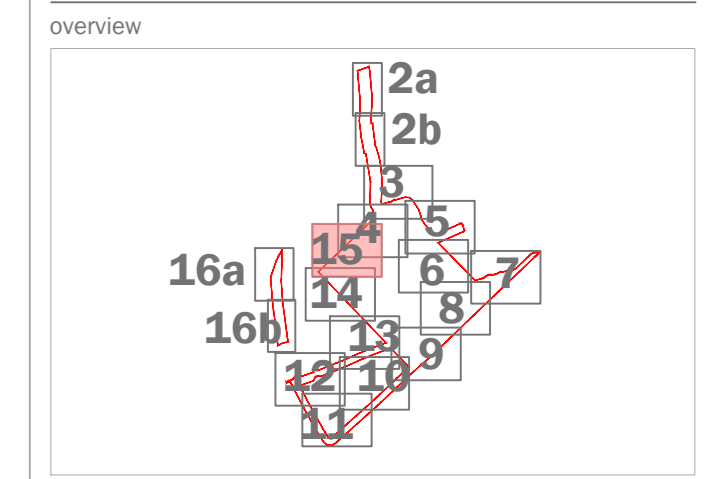


- Site boundary
- Existing Trees and Tree Groups to be Retained  
Refer to the Arboricultural Report
- Existing Hedgerows to be Retained  
Refer to the Arboricultural Report
- Proposed Tree Planting
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robben
- Proposed Flowering Lawn Mixture  
Product: E1 Flowering Lawn Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: E13 Basic General Purpose Meadow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: E10 Tussock Grass Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: E11 Hedgerow Mixture  
Supplier: Emongate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Sward Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Alteration Basin  
Product: E56 Meadow Grass Mixture for Wet Soils  
Supplier: Emongate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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-tie 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 2:1 side slope
- Proposed Root Barriers  
Product: Rootbar Barrier (depths to be confirmed by Engineer)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

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 (alteration 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 used in conjunction with all other drawings and specifications within the package. Please ensure that any proposed design development and specifications are approved by the client. All dimensions are in millimeters unless otherwise specified. An electronic copy of this drawing is available on the project website. The drawing must be used in accordance with the terms and conditions of the contract. The drawing must be used in accordance with the terms and conditions of the contract.

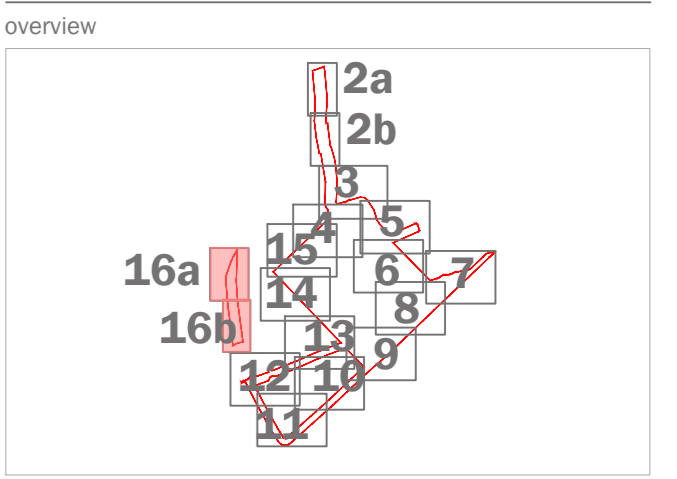
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T	Ecological Buffer Access, Trim Trail	18-10-2022 LTI
	Amended	
#		06-07-2022 LCH
d		01-07-2022 LCH
rev	description	date by
client		
Tritax Symmetry Ltd and Siemens Healthineers		
project title		
Symmetry Park, Oxford North		
drawing title		
Detailed Landscape Proposals		
date	18 OCTOBER 2022	drawn by LTI
drawing number	edp2425_60171	checked BC
scale	1:200 @ A0	QA RB
Sheet 15 of 17		
the environmental dimension partnership Registered office: 01285 740427 www.edp-uk.co.uk info@edp-uk.co.uk		



- Feathered Native Tree Mix**  
 No.36 Acer campestre 10% 1.75-200cm  
 No.75 Alnus glutinosa 20% 1.75-200cm  
 No.114 Crataegus monogyna 30% 1.25-150cm  
 No.76 Ilex aquifolium 20% 150-175cm  
 No.38 Prunus avium 10% 150-175cm  
 No.38 Sorbus aucuparia 10% 125-150cm
- Native Shrub Mix**  
 No.270 Cornus sanguinea 10% 60-80cm  
 No.405 Corylus avellana 15% 40-60cm  
 No.540 Crataegus monogyna 20% 60-80cm  
 No.189 Euonymus europaeus 7% 60-80cm  
 No.135 Ilex aquifolium 5% 40-60cm  
 No.270 Ligustrum vulgare 10% 60-80cm  
 No.135 Prunus lusitana 5% 60-80cm  
 No.189 Prunus spinosa 7% 60-80cm  
 No.81 Rosa canina 3% 60-80cm  
 No.54 Sambucus nigra 2% 60-80cm  
 No.216 Taxus baccata 8% 40-60cm  
 No.216 Viburnum opulus 8% 60-80cm

- 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  
Measure: General Hedgerow
- Proposed Hedgerow Planting
- Proposed Turf  
Product: Mediation Turf or similar  
Supplier: Robeh
- Proposed Flowering Lawn Mixture  
Product: FL1 Flowering Lawn Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Species-Rich Meadow Grass  
Product: EM2 Basic General Purpose Meadow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- Proposed Tussock Grass Mixture  
Product: EG20 Tussock Grass Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Hedgerow Grass Mixture  
Product: EH1 Hedgerow Mixture  
Supplier: Emerygate Seeds  
Sowing rate: 5g/m<sup>2</sup>
- Proposed Ornamental Planting
- Proposed Bulb Planting
- Proposed Native Sward Planting
- Proposed Native Feathered Tree and Shrub Mix
- Proposed Wetland Meadow Grass to Attenuation Basin  
Product: EG6 Meadow Grass Mixture for Wet Soils  
Supplier: Emerygate Seeds  
Sowing rate: 4g/m<sup>2</sup>
- 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  
Bridged gravel footpaths with timber edging. No-tie 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: Rootbar Barrier (depths to be confirmed by Engineers)  
Supplier: GreenBlue Urban or similar approved
- Ecological Buffer Zone  
5m buffer from Wendlebury Brook

- 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);
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  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 this package.  
 These drawings have been prepared for design development and construction purposes only.  
 All dimensions, unless otherwise stated, are in millimetres.  
 All work shall be done in accordance with the British Standards.  
 The drawing shall not be used for any other purpose without the written consent of EDP.  
 The drawing shall not be used for any other purpose without the written consent of EDP.

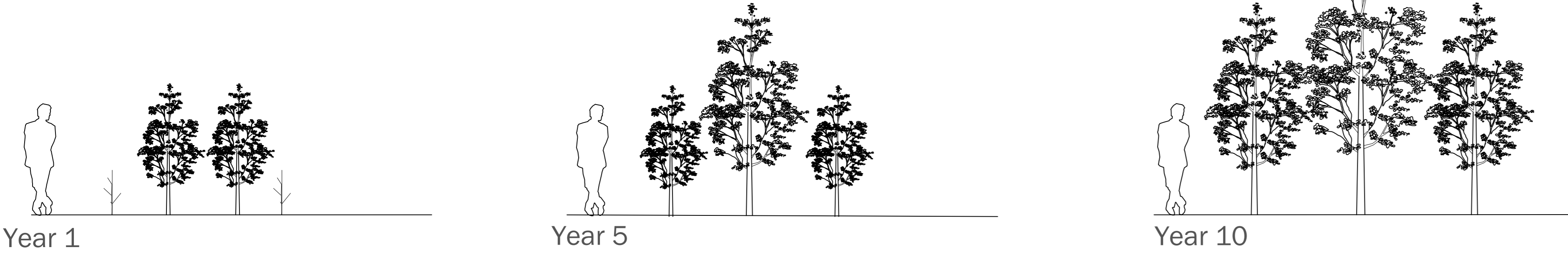
purpose of issue	PLANNING	18-10-2022	LH
T Ecological Buffer Area, Trim Trail	Amended	06-07-2022	LCH
#		01-07-2022	LCH
rev / description			

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

drawing title	Sheet 16 of 17
Detailed Landscape Proposals	
date	18 OCTOBER 2022
drawing number	edp2425_00171
scale	1:200 @ A0
drawn by	LH
checked by	BC
QA	RB



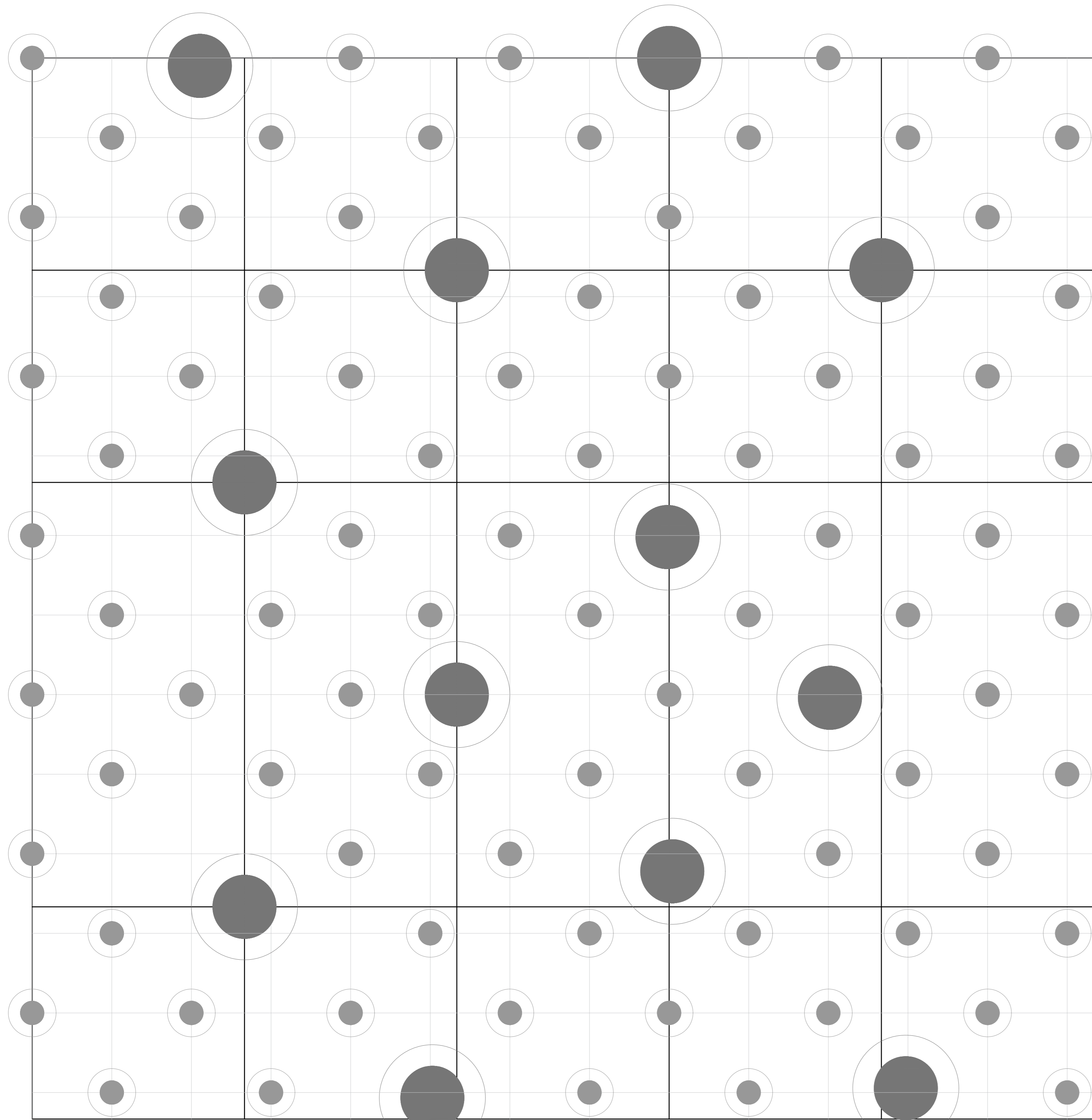
# Native Tree and Shrub Planting



Year 1

Year 5

Year 10



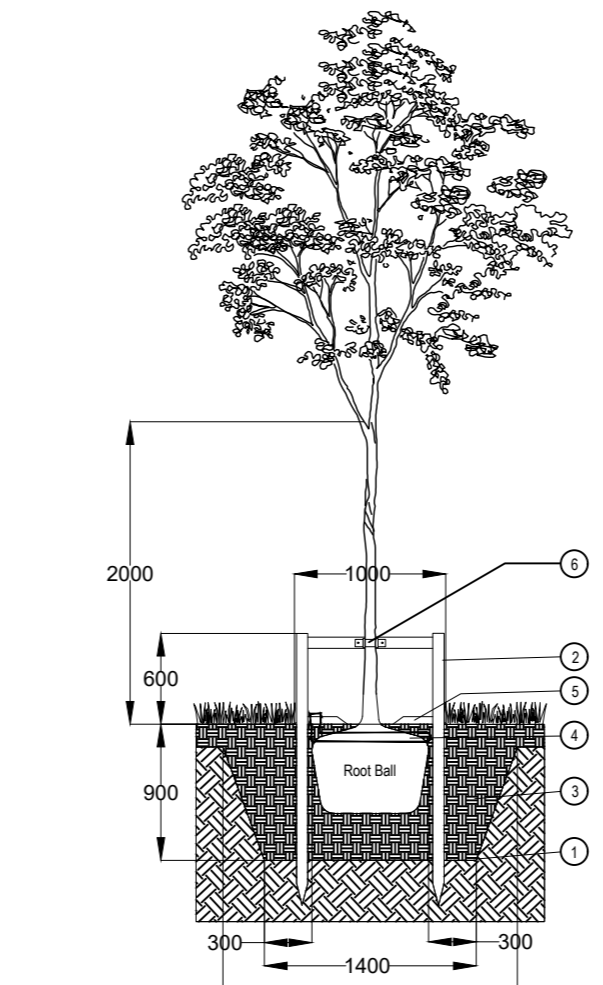
● Whip @ 1.5m centers ● Feather @ 4m centers

## Planting Schedule

Number	Common Name	Species	Birth	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 'Streetwise'	Acer campestre 'Streetwise'	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 Redstart	Liquidambar styraciflua	14-16cm		RB 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		160-175cm	Feather 2x 5 brks B	4Ctr
31	Chardonnay Pear	Pyrus cadyana 'Chardonnay'	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 5 brks B	4Ctr
15	Rowan 'Showerwater Seedling'	Sorbus aucuparia 'Showerwater Seedling'	12-14cm		RB Heavy Standard Clear Stem 175-200	Counted
14	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
<b>Total 2144</b>						

## Shrubs

Number	Common Name	Species	Height	Pot Size	Specification	Density
161	Japanese Laurel 'Ruscus'	Acquile japonica 'Ruscus'	30-40cm	3L	Bushy C	3m <sup>2</sup>
20	Shrub Ragwort	Brachyglottis 'Sunshine'	30-40cm	3L	Bushy C	3m <sup>2</sup>
161	Mexican Orange Blossom 'Ades Pearl'	Chytaya 'Ades Pearl'	30-40cm	3L	Bushy C	3m <sup>2</sup>
20	Rock Rose 'Silver Frost'	Cistus 'Silver Frost'	30-40cm	3L	Bushy C	3m <sup>2</sup>
1338	Common Dogwood	Cornus sanguinea	60-80cm	1+2 3 brks B	1Ctr	
33	Common Dogwood	Cornus sanguinea	60-80cm	1+2 3 brks B	1Ctr	
36	Golden Twig Dogwood	Cornus stolonifera 'Flavamea'	30-40cm	3L	Branches C	3m <sup>2</sup>
2039	Common Hazel	Corylus avellana	40-60cm	1+2 3 brks B	1.5Ctr	
33	Common Hazel	Corylus avellana	60-80cm	Branches 1+1 BR	1Ctr	
2667	Common Hawthorn	Crataegus monogyna	60-80cm	1+1 B	1.5Ctr	
935	Common Spindle Tree	Euroymnus europaeus	60-80cm	1+1 B	1.5Ctr	
36	Euroymnus 'Eminent Gaiety'	Euroymnus fortunei 'Eminent Gaiety'	30-40cm	3L	Bushy C	3m <sup>2</sup>
32	Shrubby Veronica 'Red Edge'	Hebe 'Red Edge'	30-40cm	3L	Bushy C	3m <sup>2</sup>
74	Shrubby Veronica	Hebe abicans	40-60cm	3L	Bushy C	3m <sup>2</sup>
32	Shrubby Veronica	Hebe abicans	30-40cm	3L	Bushy C	3m <sup>2</sup>
32	Shrubby Veronica	Hebe argentea	30-40cm	3L	Bushy C	3m <sup>2</sup>
193	a Shrubby Veronica	Hebe rakaiensis	30-40cm	3L	Bushy C	3m <sup>2</sup>
74	Severbank 'Annabelle'	Hydrangea arborescens 'Annabelle'	40-60cm	3L	Bushy C	3m <sup>2</sup>
161	St John's Wort 'Hidcot'	Hypericum 'Hidcot'	30-40cm	3L	Bushy C	3m <sup>2</sup>
693	Common Ivy	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 'Honey suckle'	Lonicera pileata	30-40cm	3L	Bushy C	3m <sup>2</sup>
20	Russian Sage 'Blue Spire'	Perovskia atrorubra 'Blue Spire'	30-40cm	3L	Bushy C	3m <sup>2</sup>
689	Portugal Laurel	Prunus laurocerasus	60-80cm	5-7 5L	C	1.5Ctr
935	Blackthorn	Prunus spinosa	60-80cm	5-7 5L	1+2 B	1.5Ctr
403	Dog Rose	Rosa canina	60-80cm	5-7 5L	1+1 3 brks B	1.5Ctr
29	Roussinus 08 'Miss Jessop's Upright'	Salix purpurea	30-40cm	3L	Bushy C	3m <sup>2</sup>
33	Purple-osier Willow	Salix purpurea	60-80cm	Branches 1+1 BR	1Ctr	
33	Common Osier	Salix viminalis	60-80cm	Branches 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	Branches 1+1 BR	1Ctr	
1070	Gaulther Rose	Viburnum opulus	60-80cm	1+2 3 brks B	1.5Ctr	
<b>Total 34789</b>						



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 add drainage. The tree should be planted at a depth where the root flare is still visible, just touching the soil surface, following backfilling.
- 2x tanalised 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 trees or 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 BS3882 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/guard fixed to cross bar in accordance with manufacturers guidance. (Green Blue Urban G8358 (35mm wide belt) and G8364 (35mm Extra Large Pad) or similar approved)

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 support but not damaging the tree 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 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.

### Trees Planted within <3m of Hard Surfacing

- 2x tanalised timber tree stakes 2m, 75mm Ø driven into backfilled pit, and 2x nail round timber cross bar rails, 75mm Ø secured to tree stakes to provide support to the tree. Ensure stakes are not driven through the root ball.
- Green-tint or similar tree spiral guards, green-tint 750mm shelter. Ensure that protection methods do not impede the natural movement of trees or restrict growth. Fit according to the manufacturers recommendations.
- Secure centrally by 2 sets of supporting bands of fine hose or equivalent webbing; minimum width 20mm.
- 50mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture.
- Excavate tree pit 200mm larger than tree root ball to allow backfilling by foot. Loosen any compaction in base of excavated pit to add drainage. The tree should be planted at a depth where the root flare is still visible just below the soil surface following backfilling.
- RootRain Metro irrigation system or similar. Place around top of root ball and nail to supporting stake, ensuring filter cap finishes slightly above mulch level.
- Reefoot root barrier with root deflecting ribs installed between tree root ball and hard surfaces/services where there is a risk of root damage as the tree grows outward. Use a general rule, root barriers should be installed in locations where hard surfaces and/or services are located within four metres of the tree stem, install closer to the serving surface than the tree, to allow space for the tree roots to grow into the space available, with the ribs facing the tree. Note this may mean not placing the barrier within the tree pit, but further away within its own trench. Root barriers must extend a minimum of 2m lengths beyond the expected canopy of the mature tree. The top of the root barrier should be set as close to the soil surface as possible without being visible. Refer to drawing e033613\_0060 for location and specification details.
- 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, 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 BS3882 should be used.
- Immediately after planting, water the tree, saturating the tree pit to field capacity.
- The notes above are intended as a basic guide only. For further guidance on tree planting refer to BS 8545:2014 Section 10.
- Products suggested in italics above are available from Green Blue Urban (<http://greenblueurban.com/>) and ArborTech (<http://www.arbortech.co.uk/>).

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

## Herbaceous

Number	Common Name	Species	Height	Pot Size	Specification	Density
28	Yarrow 'Terracotta'	Achillea 'Terracotta'		5L	Full Pot	
56	Balkan Cranesbill 'Album'	Geranium macrorrhizum 'Album'		5L	Full Pot	
28	Heavenly Bluebell 'Beauty'	Hebe 'Beauty'		5L	Full Pot	
28	Knapweed 'Coral Flame'			5L	Full Pot	
28	Rudbeckia 'Goldstrum'			5L	Full Pot	

**Total 168**

## Bulbs

Number	Common Name	Species	Bulb Size	Specification	Density
247		Onocoma lomatoloma 'Toby Giant'	Grade 7/8	15m <sup>2</sup>	
247		Narcissus 'Tide & Tide'	Grade 7/8	15m <sup>2</sup>	
247		Wild Daffodil	Narcissus pseudonarcissus	Grade 7/8	15m <sup>2</sup>

**Total 743**

## Grasses

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

**Total 288**

## Hedges

Number	Common Name	Species	Height	Specification	Density
463	Common Maple	Acer campestre	60-80cm	Branches 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	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
309	Common Hazel	Corylus avellana	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
614	Common Hawthorn	Crataegus monogyna	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
700	Common Beach	Fagus sylvatica	60-80cm	1+1 B	0.5Ctr Double Staggered at 0.4m offset
155	Common Holly	Ilex aquifolium	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
614	Blackthorn	Prunus spinosa	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
155	Dog Rose	Rosa canina	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset
309	Common Elder	Sambucus nigra	60-80cm	Branches 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	Gaulther Rose	Viburnum opulus	60-80cm	Branches 1+1 B	0.5Ctr Double Staggered at 0.4m offset

**Total 6342**

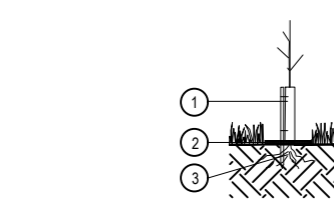
### Native Hedgerow Planting Detail

1. 2m wide biodegradable weed mat pegged down with biodegradable plastic anchor pegs around the whip to prevent weed growth and retain moisture.
2. 2m wide biodegradable weed mat pegged down with biodegradable plastic anchor pegs around the whip to prevent weed growth and retain moisture.
3. Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

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

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



### Whip Planting Detail

1. Clear spiral guard to be fitted to trunk to protect against animal browsing with supporting cane or stake.
2. 500mm biodegradable mulch mat pegged down with supplied biodegradable plastic anchor pegs around the whip to prevent weed growth and retain moisture.
3. Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

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

Products suggested in italics above are available from Tubes (<http://www.tubes.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 support but not damaging the tree 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 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 whips 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 support but not damaging the developing whip and that its roots 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 space above the mulch mat around the whip should be kept clear of competing vegetation and weeds at all times.
- The shrub 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.

### purpose of issue PLANNING

T	Ecological Buffer Area, Tree Trail	18-10-2022	LH
#	Amended	06-07-2022	LCH
d	01-07-2022	LCH	
rev	description	date	by

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

drawing title:  
Detailed Landscape Proposals

Sheet 17 of 17  
date: 18 OCTOBER 2022  
drawing number: e02425\_0017  
scale: NTS @ A0

drawn by: LTI  
checked: BC  
QA: RB