

06

Planting strategy

TREE PLANTING STRATEGY

TREES



Acer campestre 'Elsrijk'
(20-25cm girth)



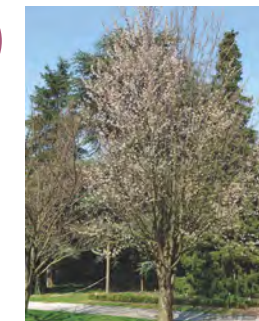
Liriodendron tulipifera 'Fastigiata' (90-100cm girth, 10-12m height)



Cornus kousa var. chinensis 'Ikone'



Tilia x euchlora (35-40cm girth, 10-12m height)



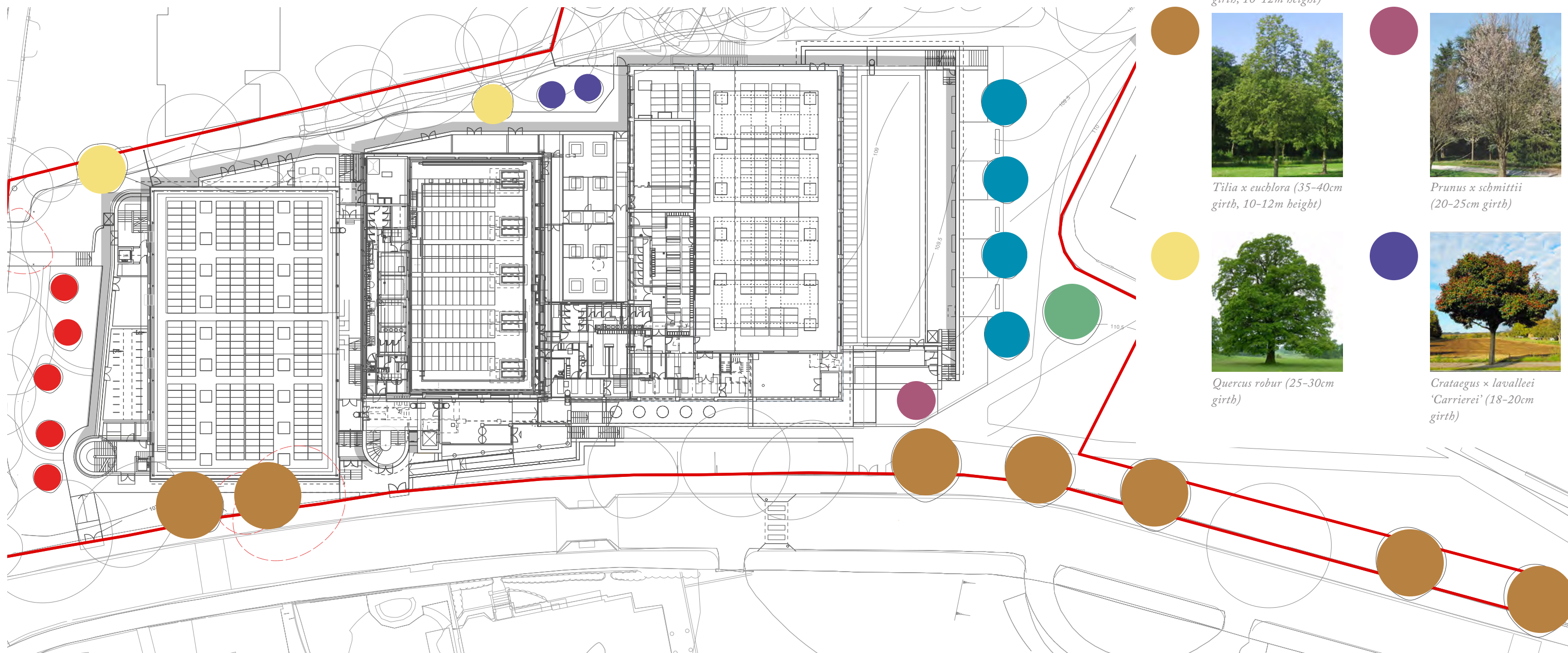
Prunus x schmittii (20-25cm girth)



Quercus robur (25-30cm girth)



Crataegus x lavalleyi 'Carrierei' (18-20cm girth)



North



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FLOOD BASIN TREE PLANTING STRATEGY

TREES



Proposed new trees within existing woodland, and around basin: (x54)

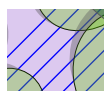
- Quercus robur*
- Castanea sativa*
- Tilia sp.*
- Betula pendula*
- Juglans regia*
- Malus domestica*
- Pyrus communis*



Existing trees



Existing trees to be removed (x32)



Areas of broad-leaved plantation woodland to be selectively thinned of existing self seeded trees to allow re-planting

WOODLAND WILDFLOWERS AND GRASSES



Emorsgate 'Woodland Mixture EW1' to be sown to woodland and open glades.

Wildflowers 20%

- Alliaria petiolata*
- Allium ursinum*
- Arctium minus*
- Campanula trachelium*
- Chaerophyllum temulum*
- Digitalis purpurea*
- Filipendula ulmaria*
- Galium album*
- Geum urbanum*
- Hyacinthoides non-scripta*
- Iris foetidissima*
- Prunella vulgaris*
- Silene dioica*
- Torilis japonica*

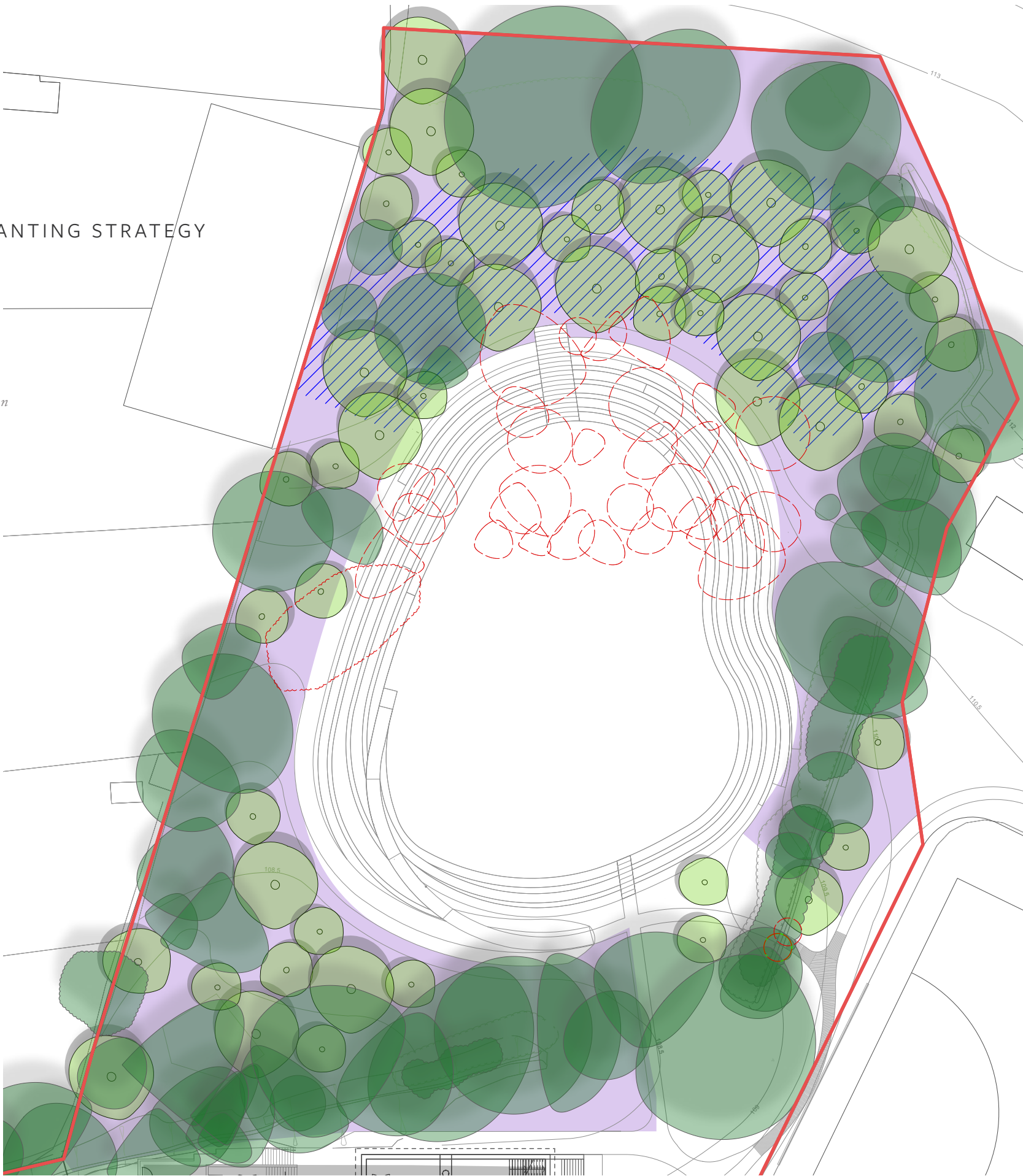
Grasses 80%

- Agrostis capillaris*
- Anthoxanthum odoratum*
- Brachypodium sylvaticum*
- Cynosurus cristatus*
- Deschampia cespitosa*
- Festuca rubra*
- Poa nemoralis*

North

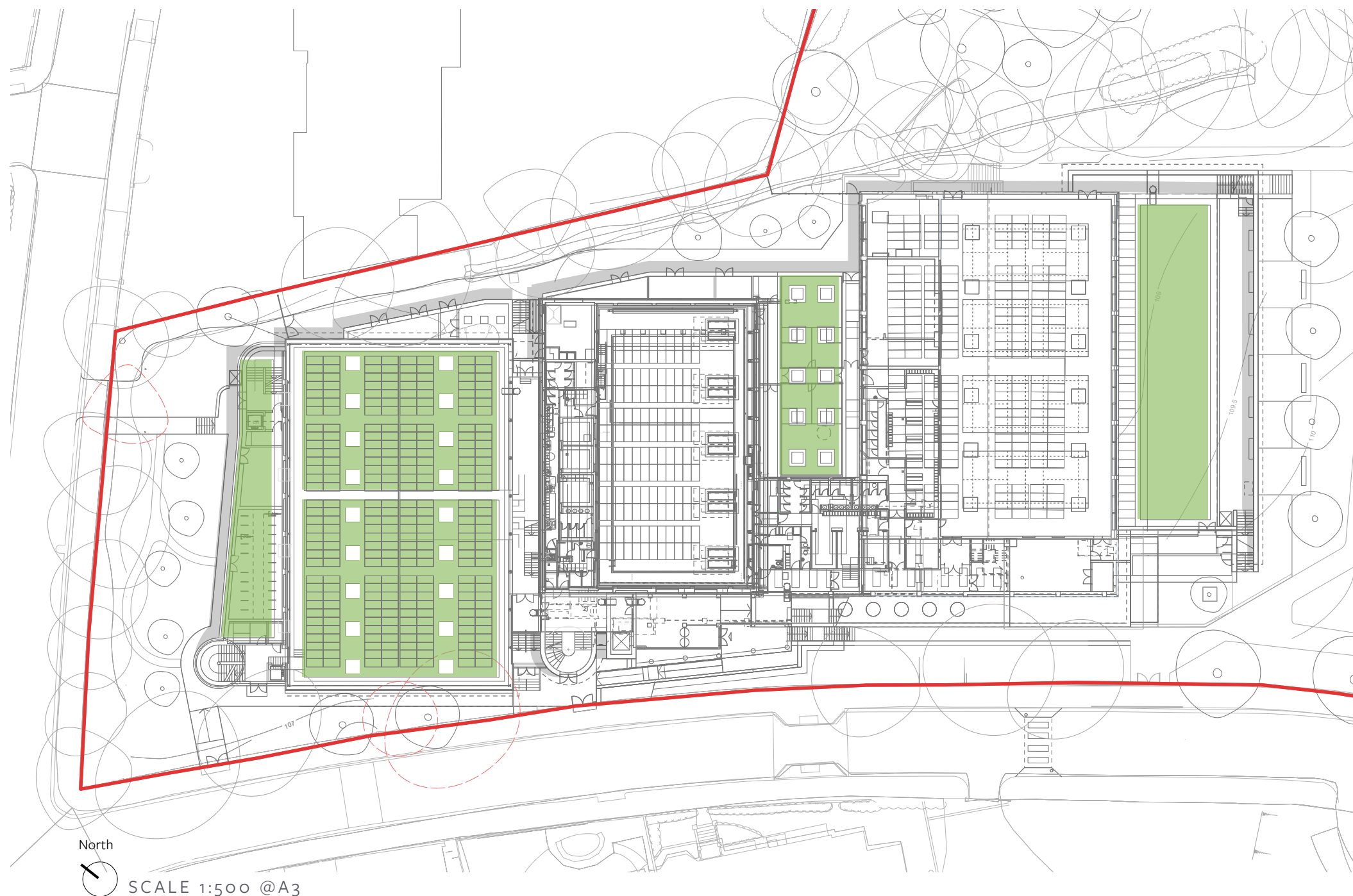


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MSC GREEN ROOFS



Proposed biodiverse green roofs
Wildflower and sedum mixes including low native wildflower plugs.

Agrimonia eupatoria
Bellis perennis
Campanula glomerata
Campanula rotundifolia
Centaurea scabiosa
Dianthus deltoides
Dianthus gratianopolitanus
Echium vulgare
Fragaria vesca
Knautia arvensis
Linaria vulgaris
Lotus corniculatus
Malva sylvestris
Primula veris
Stachys officinalis
Silene dioica
Taraxacum officinale
Veronica chamaedrys



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INDICATIVE PLANTING PALETTE - SOUTH TERRACES



Stipa lessingiana



Libertia grandiflora



Pittosporum tobira 'Nanum'



Verbascum 'Helen Johnson'



Potentilla thurberi 'Monarch's Velvet'



Santolina rosmarinifolia 'Primrose Gem'



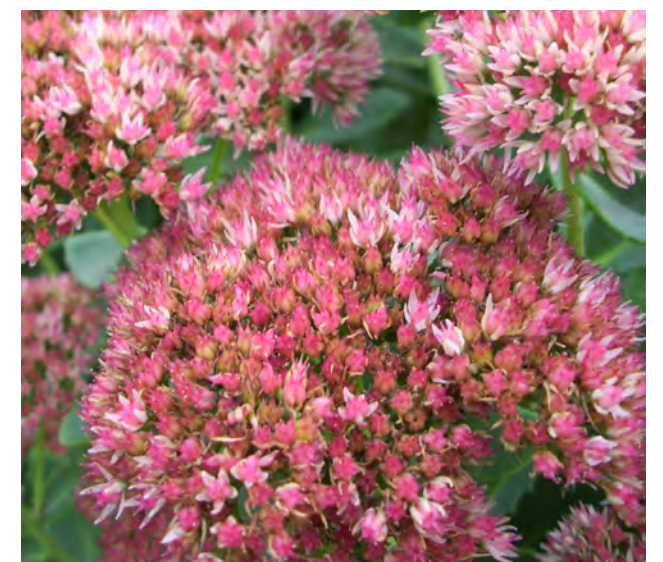
Nepeta racemosa 'Walker's Low'



Anemone sylvestris



Geranium x magnificum 'Rosemoor'

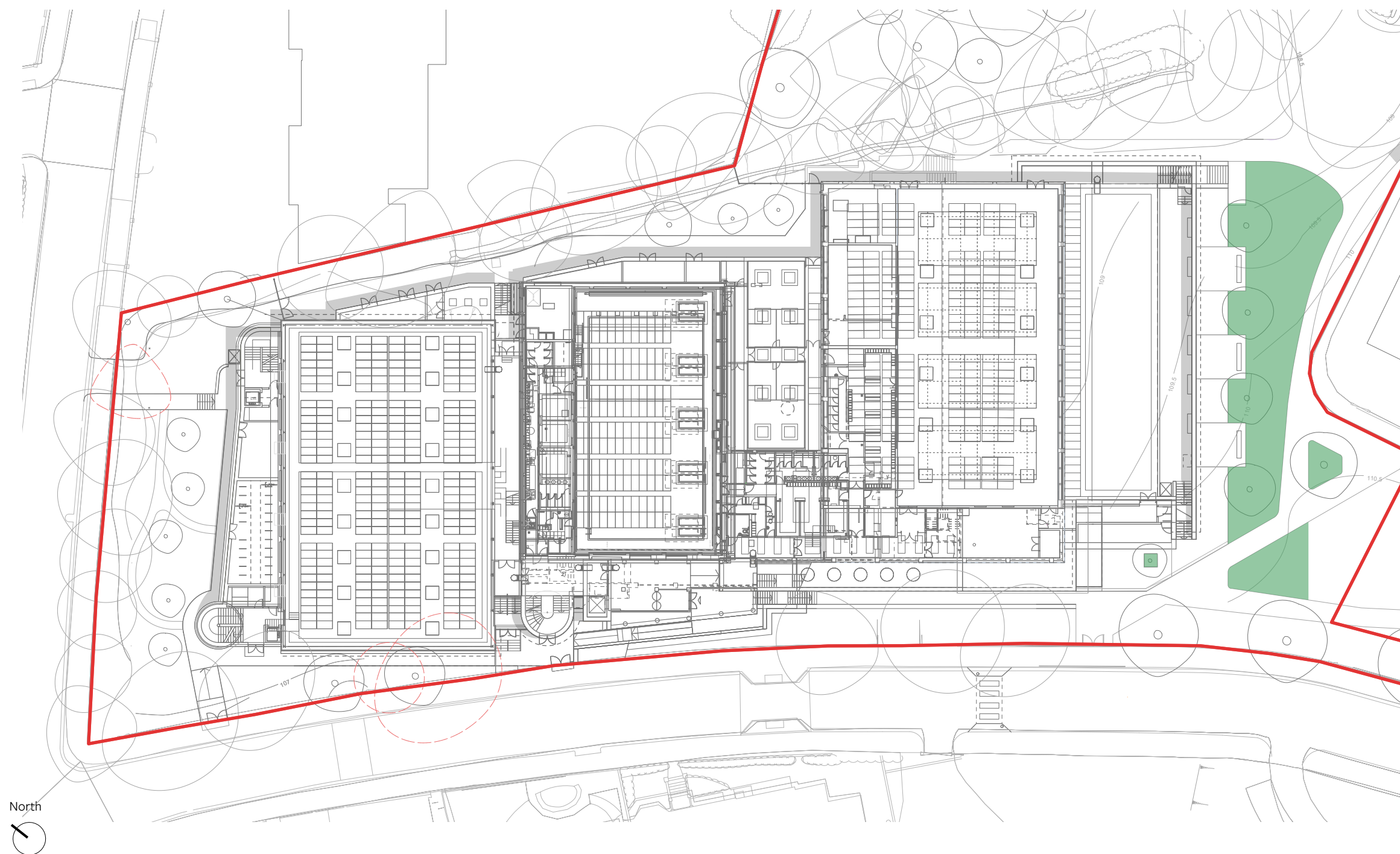


Hylotelephium 'Herbstfreude'



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INDICATIVE PLANTING PLAN - SOUTH TERRACES



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SHRUBS

Ballota pseudodictamnus
Hydrangea paniculata 'Little Lime'
Lavatera x clementii 'Barnsley'
Pittosporum tobira 'Nanum'
Spiraea japonica 'Dart's Red'

HERBACEOUS

Anemone sylvestris
Diascia 'Salmon Supreme'
Geranium x magnificum 'Rosemoor'
Hylotelephium 'Herbstfreude'
Libertia grandiflora
Miscanthus sinensis 'Adagio'
Nepeta racemosa 'Walker's Low'
Penstemon raven
Potentilla thurberi 'Monarch's Velvet'
Salvia officinalis 'Purpurascens'
Santolina rosmarinifolia 'Primrose Gem'
Stipa lessingiana
Tellima grandiflora
Verbascum 'Helen Johnson'
Vinca minor f. alba 'Gertrude Jekyll'

BULBS

Allium sphaerocephalon
Camassia leichtlinii 'Semiplena'

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INDICATIVE PLANTING PALETTE - W & N ELEVATIONS



Juniperus sabina 'Tamariscifolia'



Bergenia 'Autumn Magic'



Rubus tricolor 'Betty Ashburner'



Alchemilla mollis



Helleborus orientalis



Athytium niponicum var 'Pictum'



Polystichum setiferum 'Herrenhausen'



Astrantia major 'Claret'



Sarcococca hookeriana 'Winter Gem'

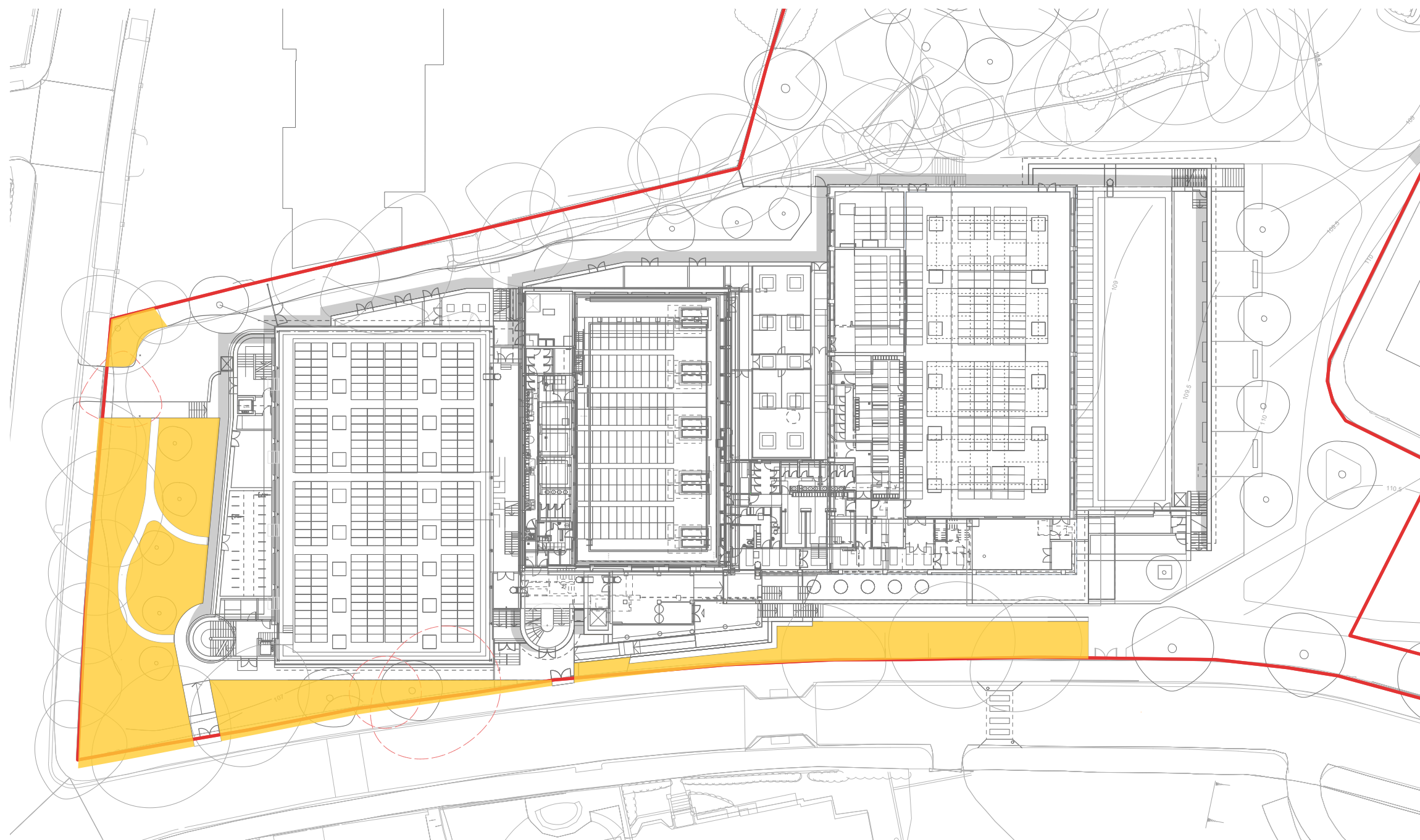


Mahonia eurybracteata 'Soft Caress'



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INDICATIVE PLANTING PALETTE WEST/NORTH ELEVATIONS



SHRUBS

Amelanchier lamarkii
Arbutus unedo compacta
Cornus canadensis
Daphne cneorum 'Eximia'
Daphne x transatlantica 'Eternal Fragrance'
Deutzia longifolia 'Veitchii'
Juniperus sabina 'Tamariscifolia'
Mahonia eurybracteata 'Soft Caress'
Rubus tricolor 'Betty Ashburner'
Sarcococca hookeriana 'Winter Gem'

HERBACEOUS

Acanthus hungaricus
Alchemilla mollis
Astrantia major 'Claret'
Athyrium niponicum var 'Pictum'
Bergenia 'Autumn Magic'
Dryopteris wallichiana
Geranium phaeum 'Album'
Helleborus orientalis
Liriope muscari
Panicum virgatum 'Shenandoah'
Pachysandra terminalis
Polystichum setiferum 'Herrenhausen'

CLIMBERS

Clematis armandii
Trachelospermum jasminoides

BULBS

Galanthus nivalis
Hyacinthus orientalis var. albulus
Ornithogalu pyramidale
Nerine bowdenii

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INDICATIVE PLANTING PALETTE - N-E ELEVATION



Viburnum opulus



Cornus alba



Ajuga reptans



Filipendula ulmaria



Iris pseudacorus



Lythrum salicaria



Prunus spinosa



Dryopteris filix-mas



Allium ursinum

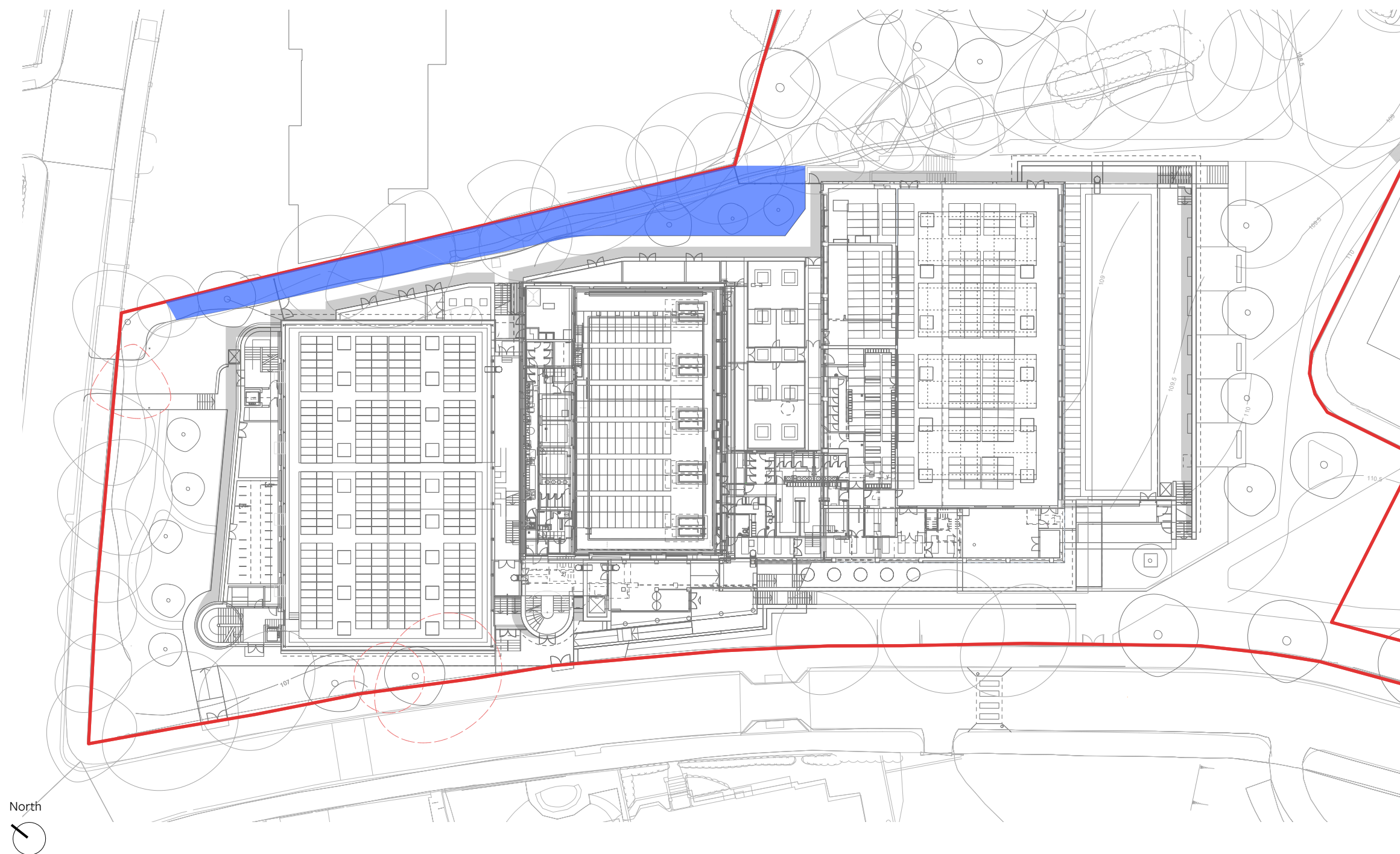


Hyacinthoides non-scripta



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INDICATIVE PLANTING PALETTE - NORTH-EAST ELEVATION



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SHRUBS

Cornus alba
Craetagus laevigata
Hippophae rhamnoides
Prunus spinosa
Rubus arcticus
Salix repens
Viburnum opulus

HERBACEOUS

Ajuga reptans 'Purple Torch'
Acorus gramineus 'Ogon'
Filipendula ulmaria
Iris pseudacorus
Lythrum salicaria

FERNS

Asplenium scolopendrium
Dryopteris filix-mas
Pteridium aquilinum

BULBS

Allium ursinum
Hyacinthoides non-scripta

07 Urban greening

URBAN GREENING FACTOR CALCULATIONS



Urban Greening Factor Calculator			
Surface Cover Type	Factor	Area (m²)	Contribution
 Semi-natural vegetation (e.g. trees, woodland, species-rich grassland) maintained or established on site	1	5381	5381
 Standard trees planted in connected tree pits with a minimum soil volume equivalent to at least two thirds of the projected canopy area of the mature tree	0.8	5921	4736.8
 Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) – meets the requirements of GRO Code 2014	0.7	725	507.5
 Green wall –modular system or climbers rooted in soil	0.6	32.8	19.68
 Groundcover planting.	0.5	1506	753
 Amenity grassland (species-poor, regularly mown lawn)	0.4	889	355.6
 Unplanted detention basins	0.2	2487	497.4
 Permeable paving	0.1	1146	114.6
Total contribution			12365.58
Total site area (m²)			16720
Urban Greening Factor			0.739568182