

Torrington Square

Stage3 Landscape Design



Brown Roof

Cycle Stand

Stone Water Feature

Seating Stone

Artificial Grass

Curved Seating Bench

Decking



Stone Water Feature



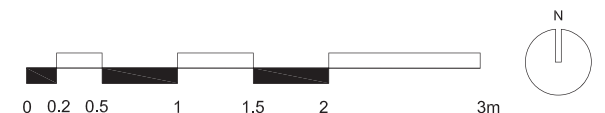
Seating Stone



Decking Floor and Planting

The garden of the Toddlers Lab should act as an extension of the study programme, enabling observation of children with a secure external space. The garden should offer parents, children and staff to interact in a safe and stimulating environment. We have considered the use of colour, texture and sound to provide stimulus within the small space. We have provided stimulation through the opportunity to clamber on a low and safe rounded seating stone (hollow concrete to reduce weight) that also doubles as a seat. The drilled rock water feature provides stimulation through sound and touch without creating any water that children can fall into.

Such features are a magnet for young and old alike and are very cost effective in a small garden. Finally we have created a variety of surface materials that provide different textures and sounds when walked on, from the clapping sounds of the timber deck and the textures of the resin bound gravel and artificial turf. The garden would be low maintenance with the plating designed to provide year round colour, texture and scent.



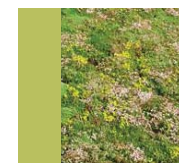
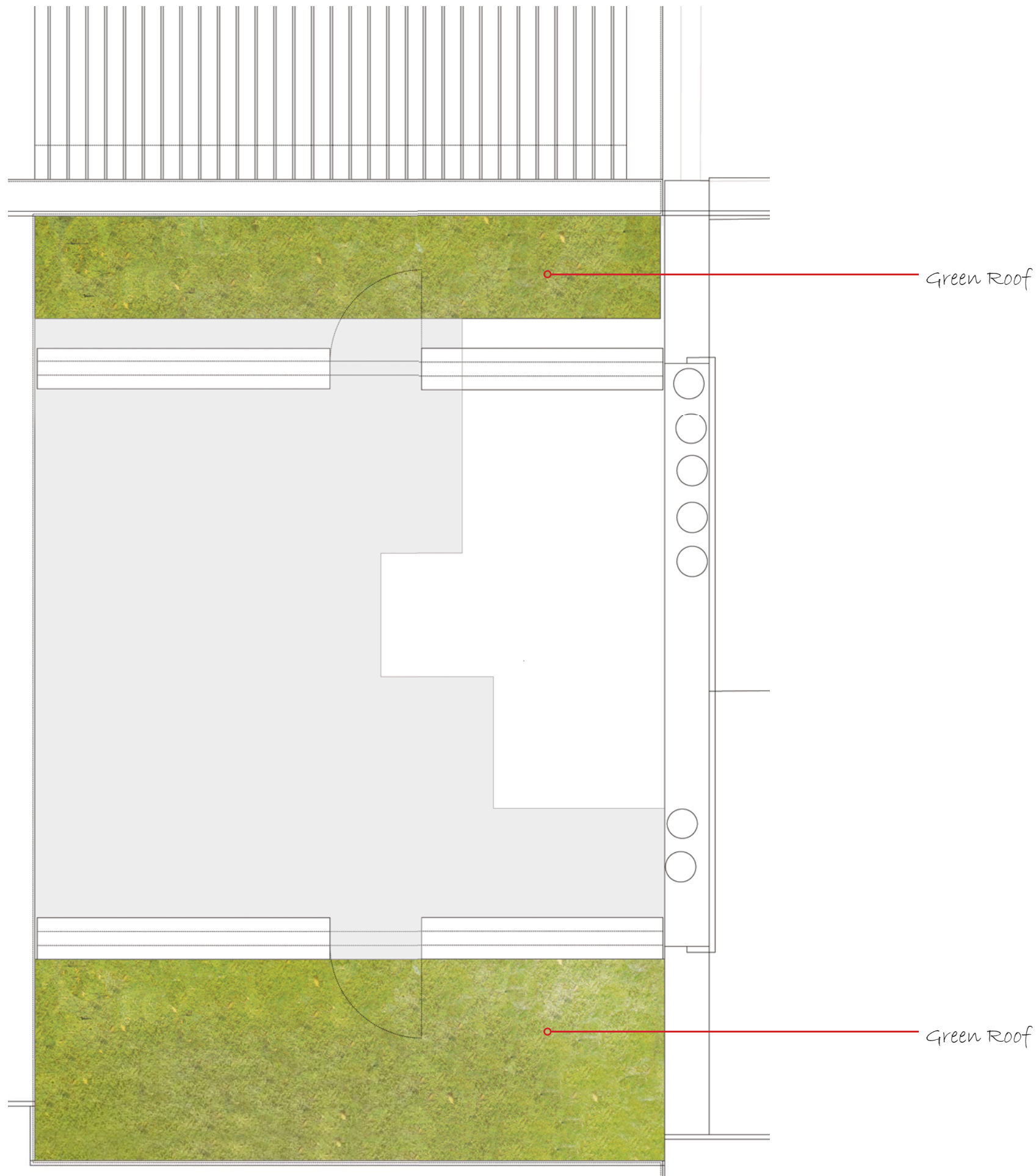
Ground Floor Concept

Drawing No: 001 Scale: 1:50@A3
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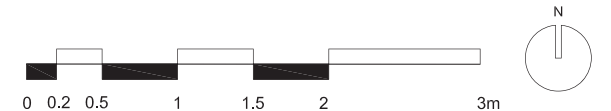
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Extensive Green roof system

The green roof system at roof level would provide biodiversity as well as protection of roof membranes and some attenuation of surface water. It would help to prevent leaves getting into gutters as it filters any surface pollutants. Green roofs are fairly low maintenance, requiring inspection every 12-24 months, which is as often as the waterproofing membranes would require inspection on a normal flat roof. They do not require irrigation but can be designed to provide a range of habitats that attract birds and insects.



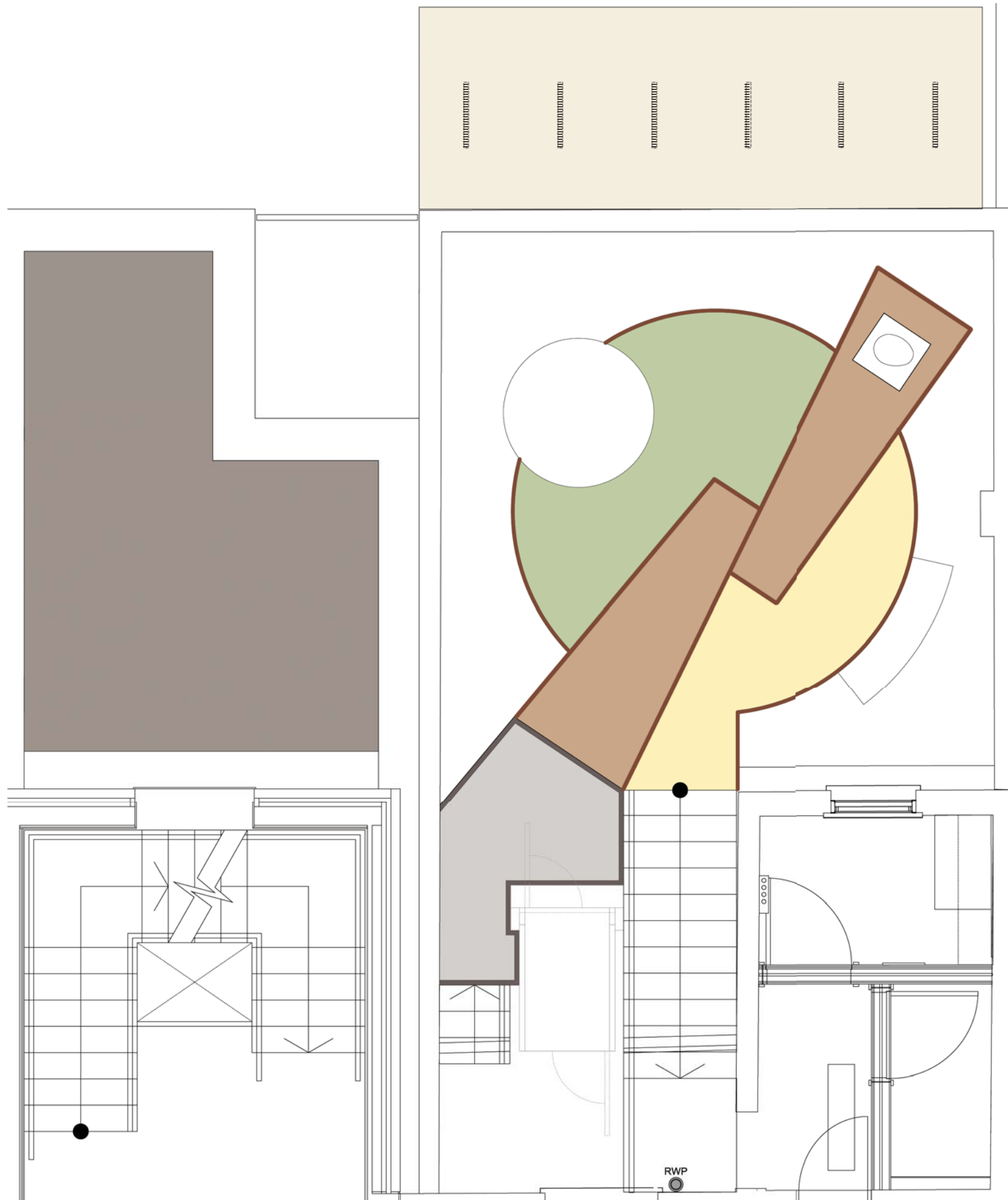
Roof Concept

Drawing No: 002 Scale: 1:50@A3
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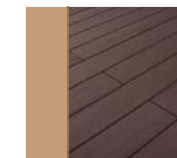
Tobermore pembury
Concrete block paving
100X200X60mm
colour heather



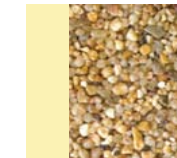
Tobermore Mayfair flags
450x450x50mm
colour sandstone



Astro artificial grass
colour Astro Mars 2017



Kinley terrafina
Excel Yacht deck
finish deck



Sudstech porous paving
colour Avoca



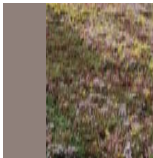
Kinley
Excel edge borderline
BL30BR



Standard flat top kerb
150x50x915mm

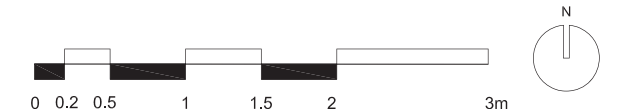


Sheffield Cycle Stand



Brown roof

The materials on the scheme have been selected to be robust and low maintenance. The timber decking is a composite material comprising wood and recycled plastic and does warp, rot or split and does not require treatment like traditional timber decking. It is slip resistant and has a cambered profile that sheds water. Sudstech resin bonded gravel is laid on a flexible rubber crumb base that provides some impact absorption. Both of these materials score very well under BREEAM as they contain recycled components.



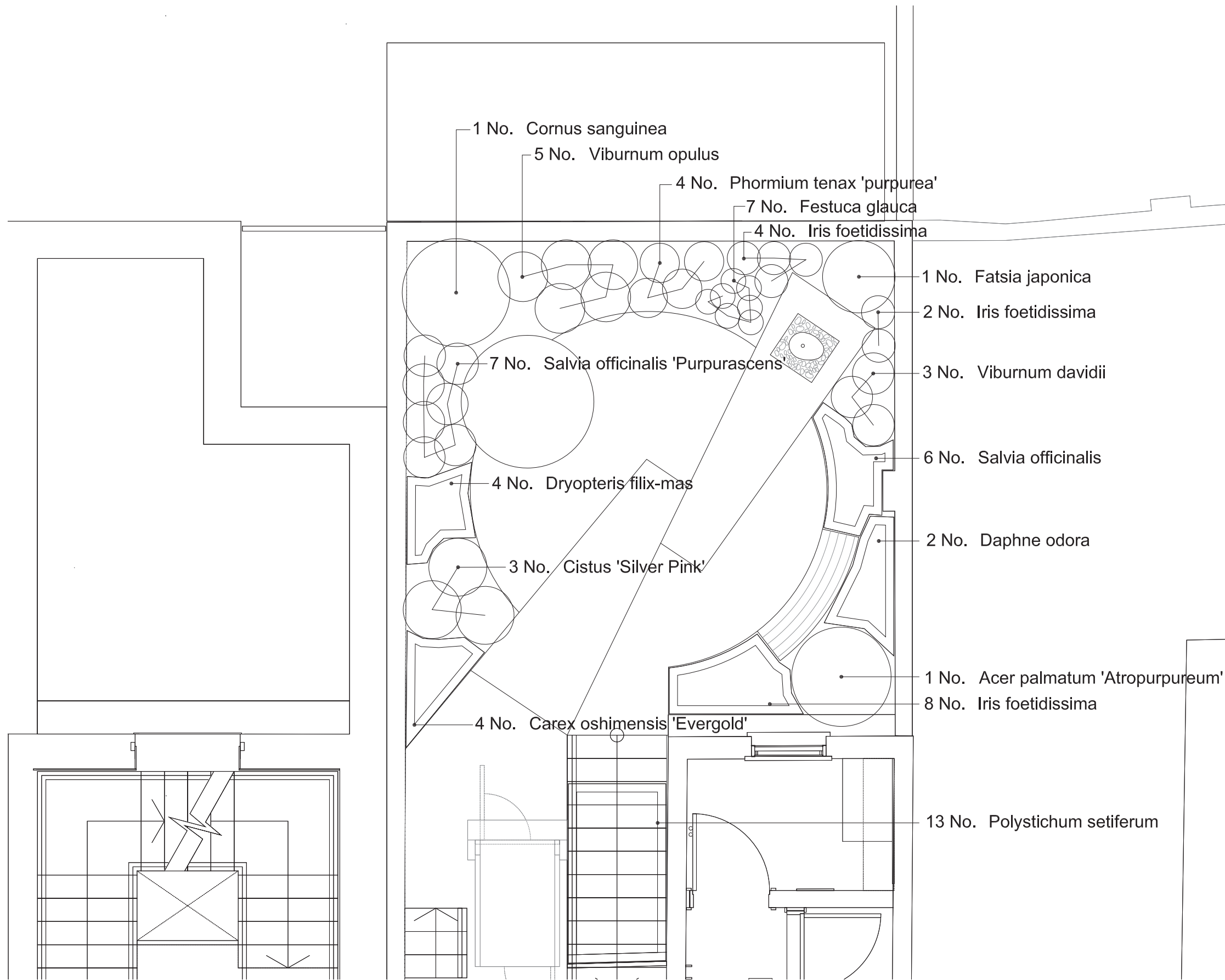
Hardworks Plan, Ground Floor

Drawing No: 003 Scale: 1:50@A3

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Planting Schedule

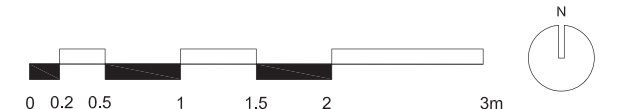
Trees				
Number	Abbreviation	Species	Pot Size	Density
1 No.	ACEATRA	Acer palmatum 'Atropurpureum'	20-25L	Counted

Shrubs				
Number	Abbreviation	Species	Pot Size	Density
2 No.	DAPOD	Daphne odora	5L	2/m ²
3 No.	CISPINA	Cistus 'Silver Pink'	10L	Counted
7 No.	SALOFFPU	Salvia officinalis 'Purpurascens'	5L	Counted
3 No.	Vd	Viburnum davidii	5L	Counted
1 No.	FATJA	Fatsia japonica	15L	Counted
4 No.		Phormium tenax 'purpurea'	15L	Counted
5 No.	VIBOP	Viburnum opulus	5L	Counted
1 No.	CORSA	Cornus sanguinea	15L	Counted

Herbaceous				
Number	Abbreviation	Species	Pot Size	Density
4 No.	CAROSE	Carex oshimensis 'Evergold'	3L	5/m ²
8 No.	If	Iris foetidissima	3L	7/m ²
6 No.	SALOF	Salvia officinalis	5L	6/m ²
6 No.	If	Iris foetidissima	5L	Counted
7 No.	FESGL	Festuca glauca	3L	Counted

Ferns				
Number	Abbreviation	Species	Pot Size	Density
4 No.	Df	Dryopteris filix-mas	3L	5/m ²
13 No.	POLSE	Polystichum setiferum	3L	5/m ²

The planting provides a simple palette with a mix of both evergreen and native plants that improve the ecology credit under BREEAM. The combination ensures that the garden is never empty but provides seasonal change with spring and summer flowers and autumn colours. We have also included a number of scented plants, particularly around the seating stone. The planting palette overleaf provides an indication of species and the colours and textures that would be provided. All of the plants selected have a low toxicity and are not harmful if ingested.



Planting Schedule

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Acer palmatum `Atropurpureum`



Cistus `Silver pink`



Daphne odora



Carex oshimensis `Evergold`



Salvia officinalis



Salvia officinalis `Purpurascens`



Iris Foetidissima



Dryopteris filix-mas



Viburnum davidii



Fatsia japonica



Phormium tenax `Purpurea`



Polystichum setiferum



Cornus sanguinea

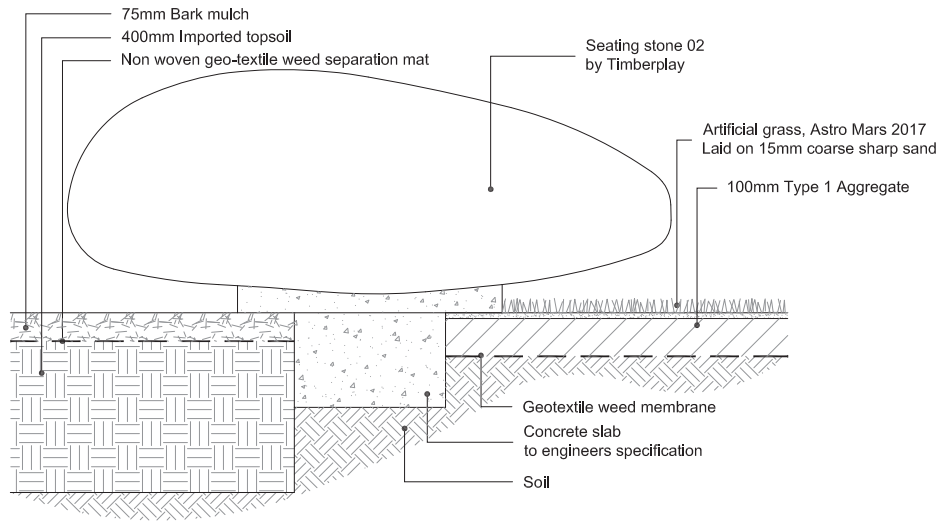


Viburnum opulus

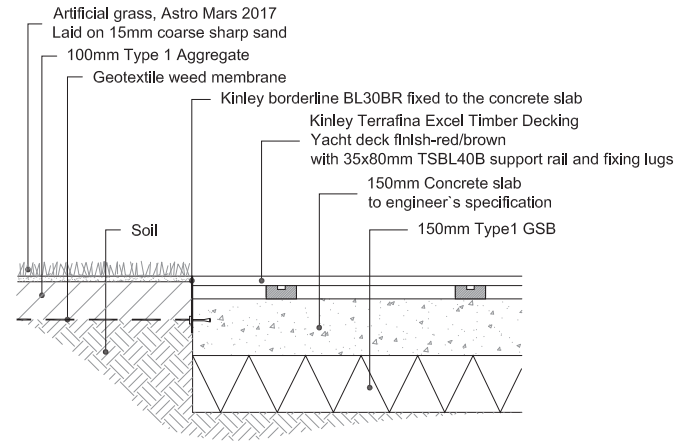


Festuca glauca

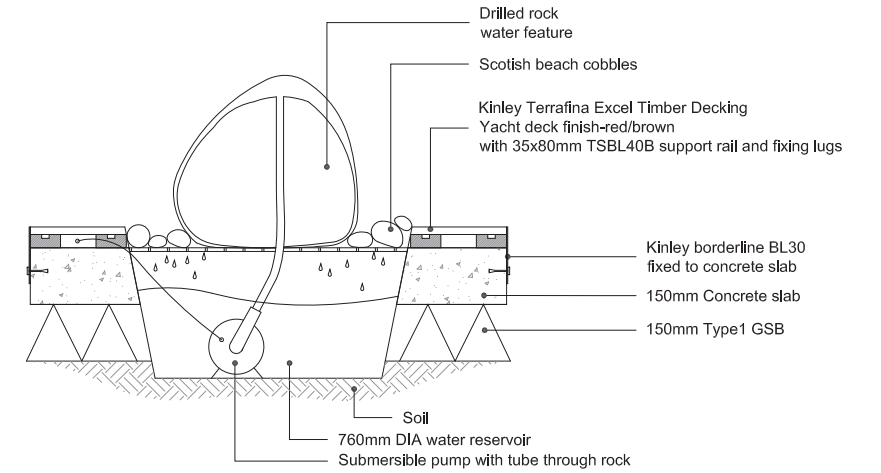




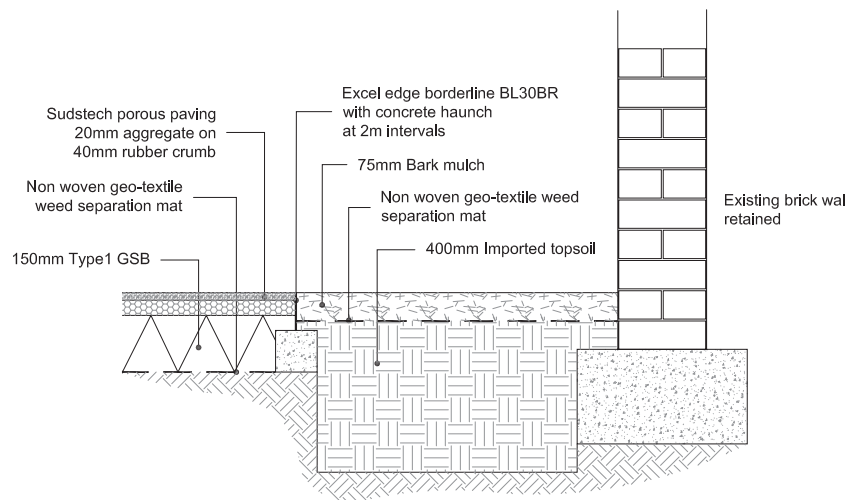
1 Section Through Planting Area - Seating Stone - Artificial Grass



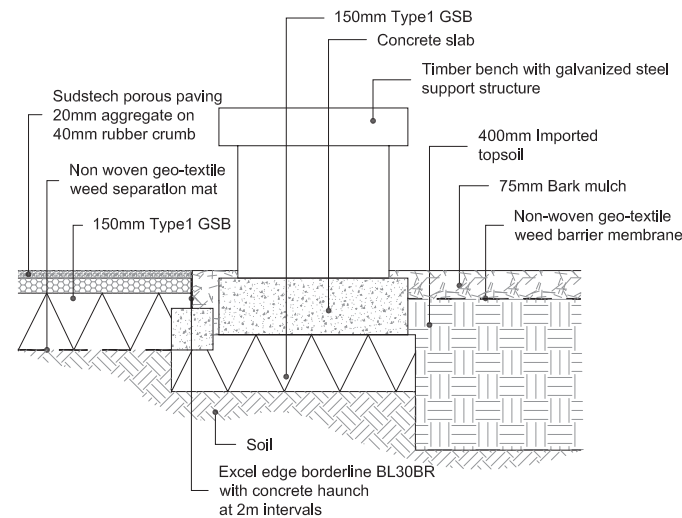
2 Section Through Artificial Grass - Timber Decking



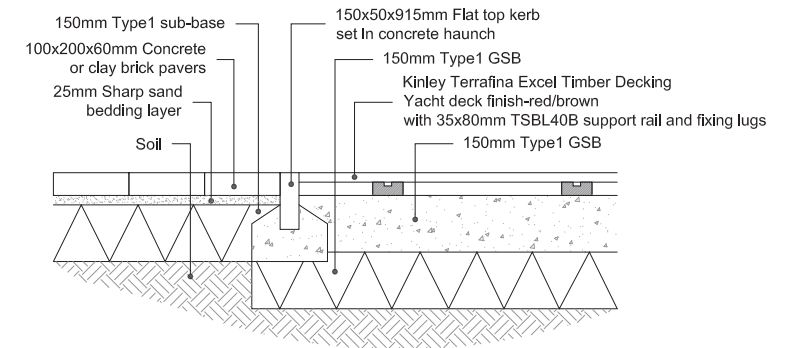
3 Section Through Water Feature



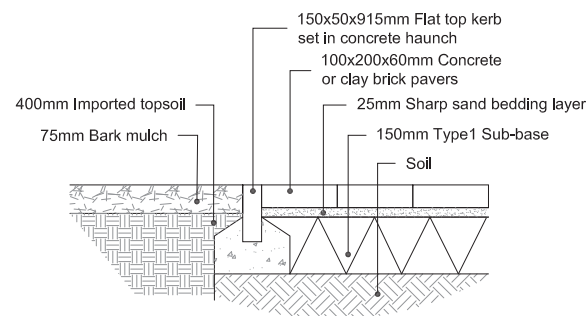
4 Section Through Resin Bound Gravel - Planting Area



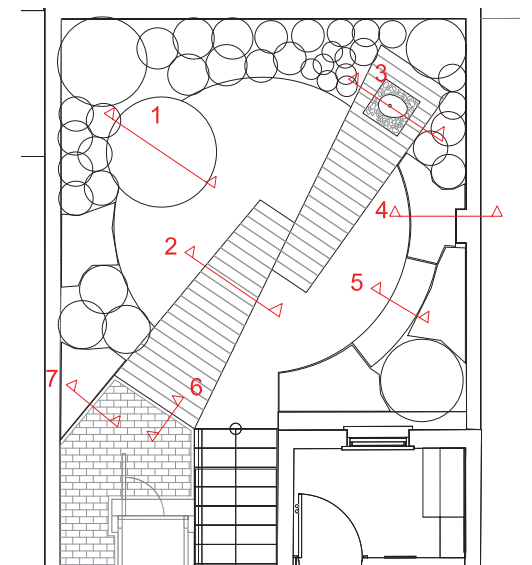
5 Section Through Resin Bound Gravel - Bench - Planting Area



6 Section Through Block Paving - Flat Top Edging - Timber Decking



7 Section Through Planting Area - Flat Top Edging - Block Paving



Typical Details

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