



Portfolio

Katie Needham

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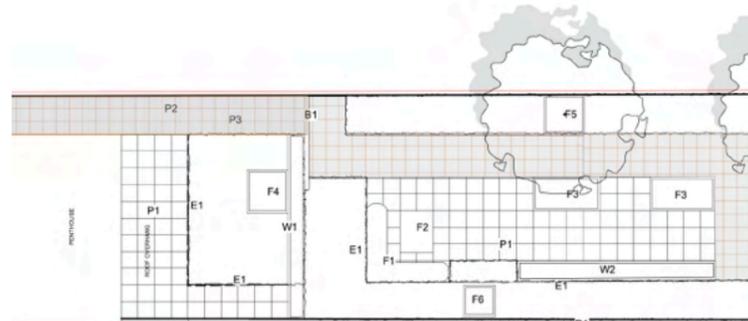
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Katie Needham

Historical Garden - The Isokon



Inspired by the textile compositions of the women of the Bauhaus, the design interweaves the natural world with utilitarian weathering steel mesh pathways that connects the grounds of the Isokon to the nature reserve. The site will constantly evolve due to the kinetic and naturalistic planting. Designed to create a feeling of immersion and a sense of belonging. Increasing the biodiversity of the site was fundamental alongside using sustainable methods such as rain gardens, intensive green roofs, rainwater harvesting and recycling old site material.

Masterplan of Isokon Site. Drawn to scale in Vectorworks and rendered in Photoshop

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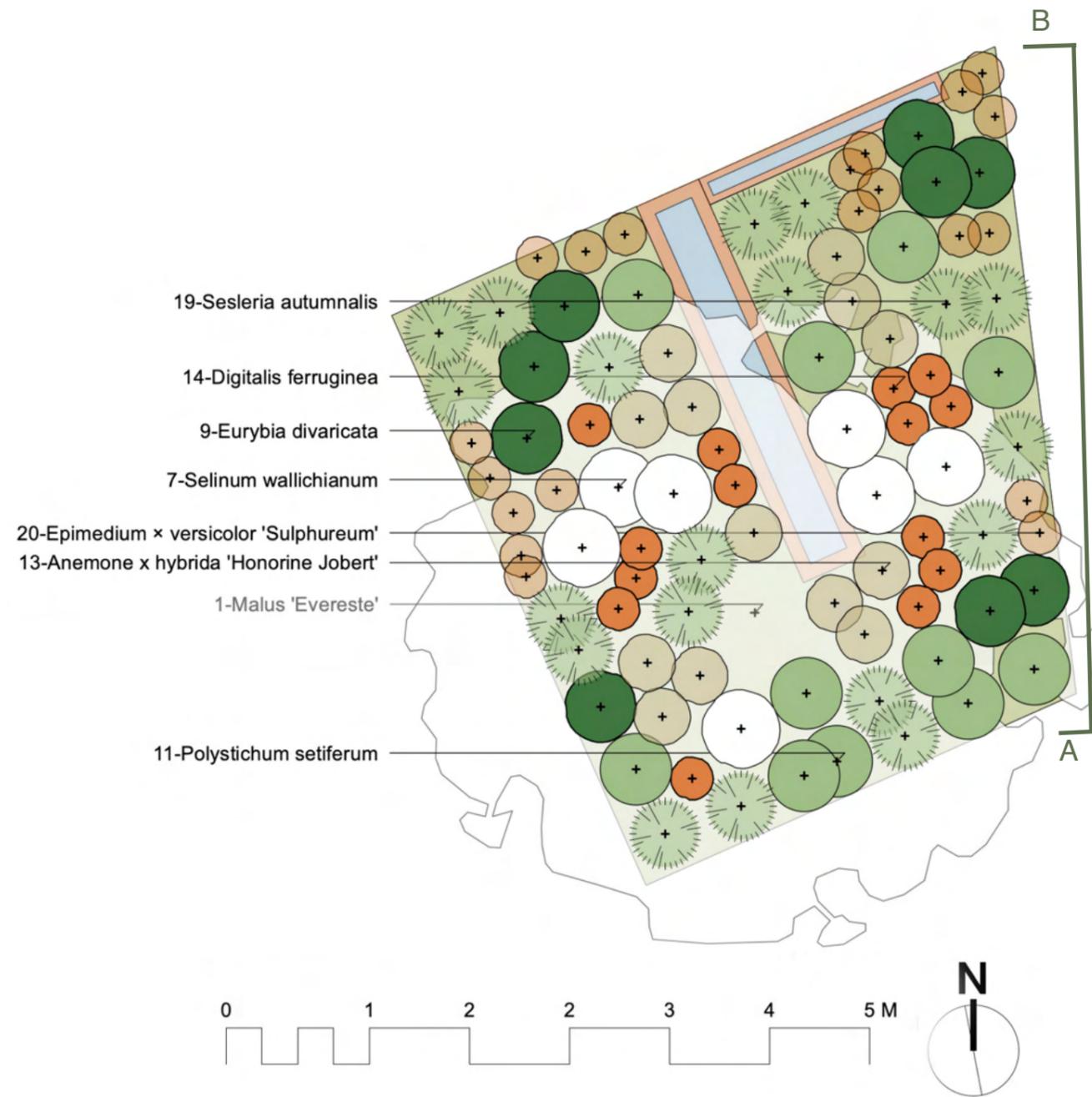
Historical Garden - The Isokon



Perspective visual looking to left hand side of the Isokon. Drawn to scale in Vectorworks, modelled in SketchUp and then rendered in Photoshop.

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Historical Garden - The Isokon



Elevation A - B of border A. The border is situated at the front of the site, it is depicted in early autumn and is inspired by woodland edge planting.



Planting plan and elevation. Drawn to scale in Vectorworks, elevation hand drawn and then rendered in Photoshop.

Kentie Needham

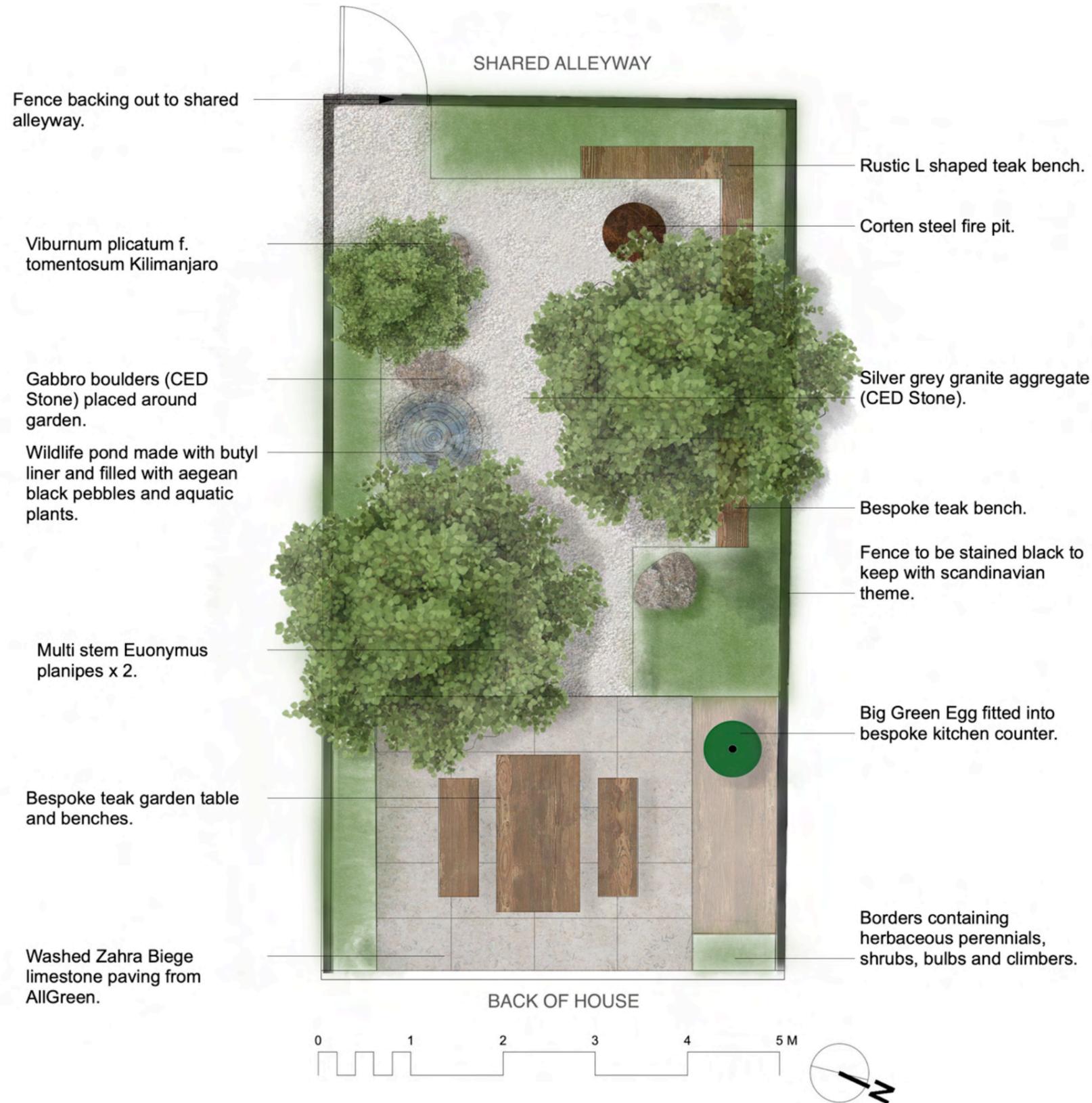
Historical Garden - The Isokon



Visual looking towards the penthouse roof terrace. Drawn to scale in Vectorworks, modelled in SketchUp and then rendered in Photoshop.

Kentri Needham

Residential Garden - Wimbledon



This garden was designed to create a heightened sense of nature and a space to retreat from the surrounding urban environment. The garden becomes an elemental landscape. Water, earth and fire harmoniously work together, allowing for an intimate and calming experience. The raw materials chosen add a warmth and tactility alongside the naturalistic woodland edge planting. The gravel pathway slows the pace and allows for more organic movement. A place for meditation and a space for togetherness.

Masterplan. Drawn to scale in Vectorworks and then rendered in Photoshop.

Katie Needham

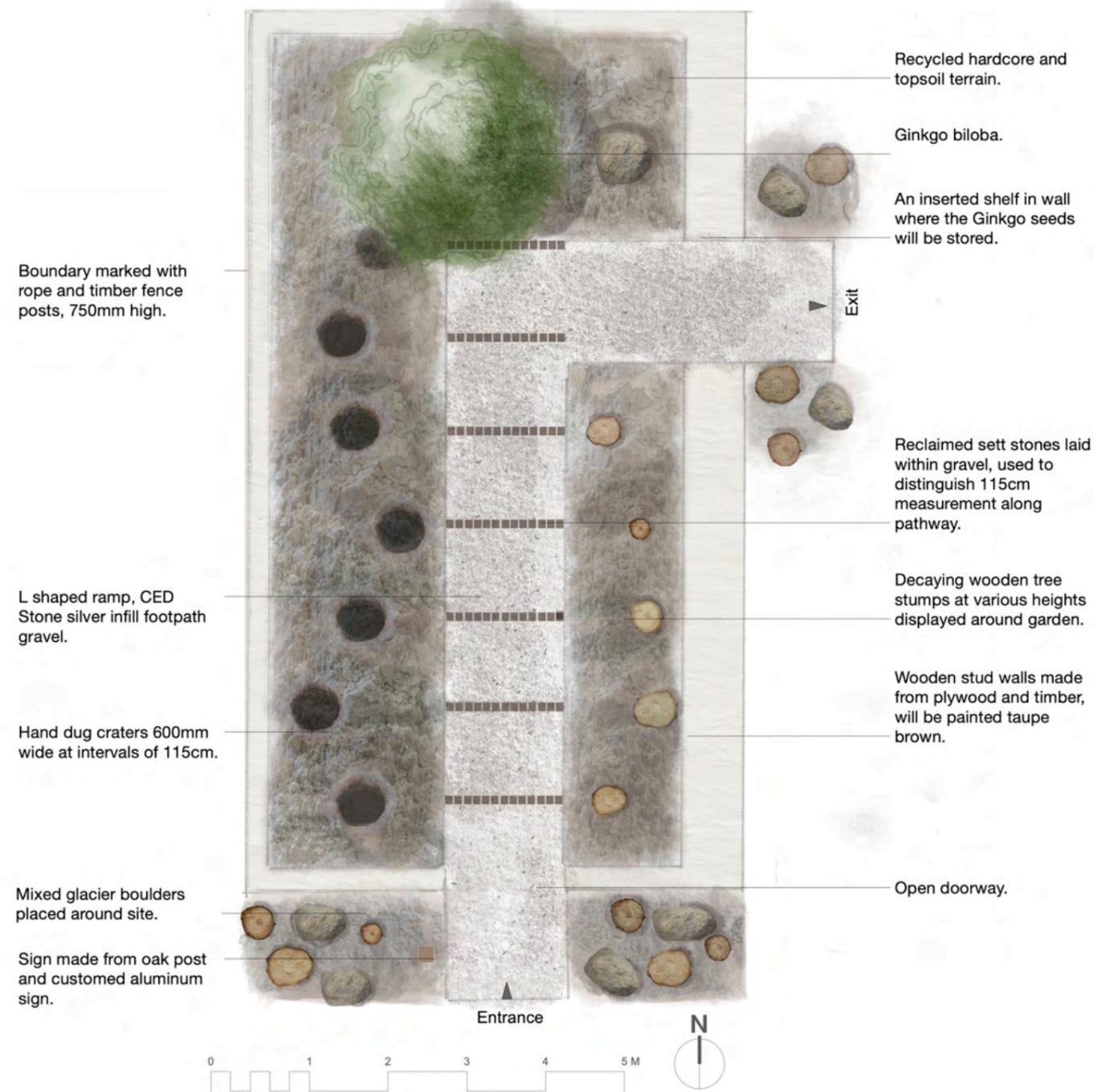
Residential Garden - Wimbledon



Perspective visual of the garden. Drawn to scale in Vectorworks, modelled in SketchUp and then rendered in Photoshop.

Kentie Needham

Global Impact Show Garden - An Ending (Ascent)

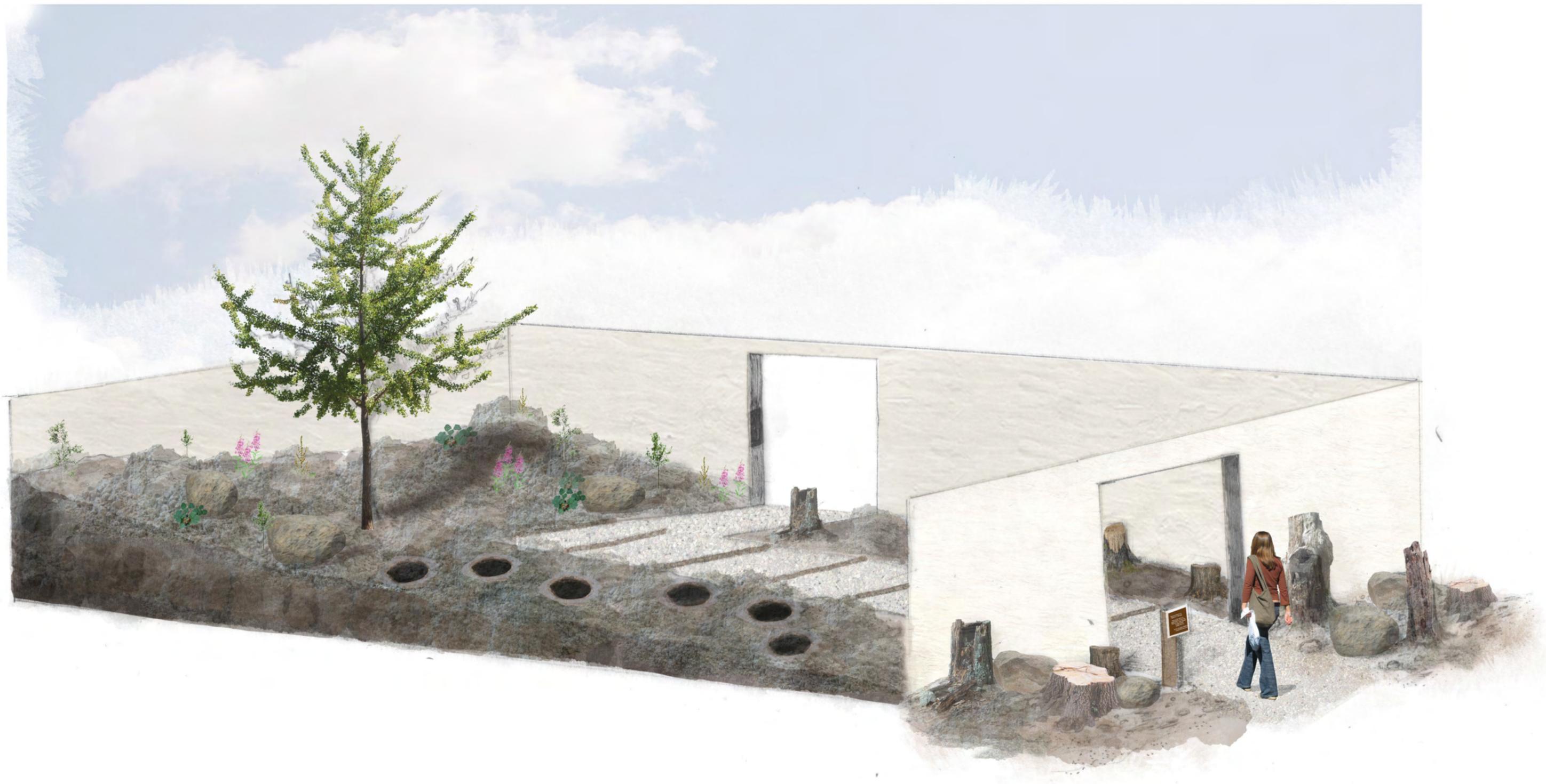


A conceptual show garden for the RHS Global Impact Category. I was inspired by the speed that plants need to move northwards in order to keep up with the pace of climate change. Scientists believe the distance is 115cm a day. This is shown in a human time frame of a week, through the pathway and the craters of the piece. A Ginkgo biloba will be placed at the end of the piece known for its resiliency throughout time. Native pioneer plants will be planted to show nature's renewal and succession. At the end of the piece the visitors can take a Ginkgo seed home with them - so can leave feeling optimistic.

Masterplan. Drawn in Vectorworks, hand drawn and then rendered in Photoshop.

Katie Needham

Global Impact Show Garden - An Ending (Ascent)



A cross section perspective looking towards the right of the garden. Drawn to scale by hand and then rendered in Photoshop.

Katie Needham

Therapeutic Public Space - The Priory School, Lewes - The Quad



Inspired by the contours of the surrounding Sussex landscape, I've designed a forest school for all and a space to feel a sense of belonging, community and awe. Whilst also celebrating the uniqueness of Lewes, the school grounds become a nurturing environment to inspire growth and to improve the well-being of the pupils and staff.

The Quad, a thoroughfare for students and staff, is no longer exposed to the elements. A curvilinear green roofed pergola stretches across the site supporting native chalk grassland wildflowers. Three large singular beds will be planted up as large herb gardens. The Quad will also become an orchard with Sussex heritage apple trees interwoven amongst the pergola and planting beds.

Masterplan of the Quad. Drawn to scale in Vectorworks, hand drawn and then rendered in Photoshop.

Katie Needham

Therapeutic Public Space - The Priory School, Lewes -The Quad



A perspective visual looking towards the far left of the Quad. Drawn to scale in Vectorworks and then rendered in Photoshop.

Katie Needham

Therapeutic Public Space - The Priory School, Lewes - The Courtyard



The Courtyard is inspired by the ancient woodland within the Sussex Downs. The site which was previously overlooked, will now be densely planted to create a private and enclosed space. The courtyard will now be for the staff of the school only as it backs onto the staffroom. I've created a calming, tranquil and quiet garden where privacy was fundamental to the staff. A place to escape from fast paced nature of the job and by having a muted green palette, the environment feels abundant and comforting.

Masterplan of the Courtyard. Drawn to scale in Vectorworks, hand drawn and then rendered in Photoshop.

Katie Needham

Therapeutic Public Space - The Priory School, Lewes - The Courtyard



Isometric perspective looking towards the far left of the Courtyard. Drawn to scale in Vectorworks, modelled in SketchUp and then rendered in Photoshop.

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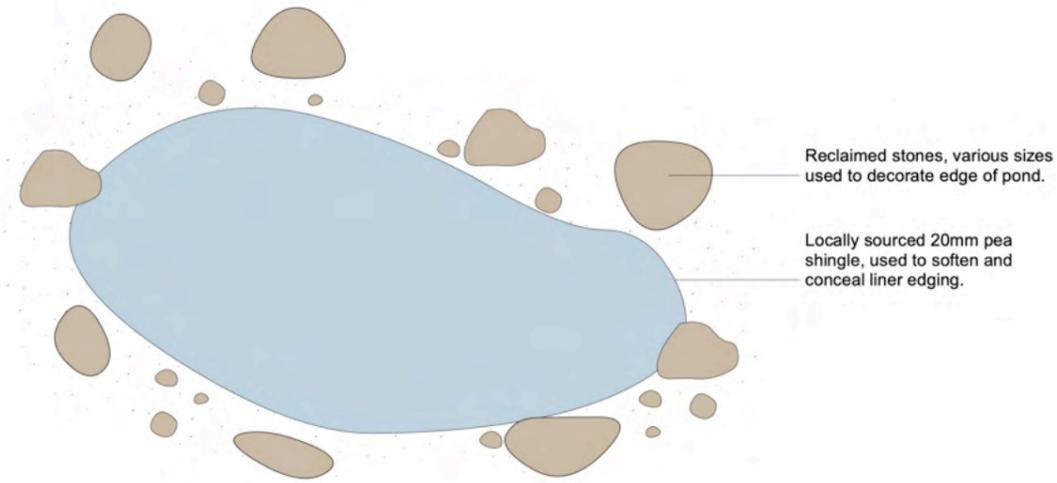
Appendix:

- Construction Drawings
- General Arrangement and Setting Out Plan
- Lighting Plan
- Planting Plan, Elevation and Schedule

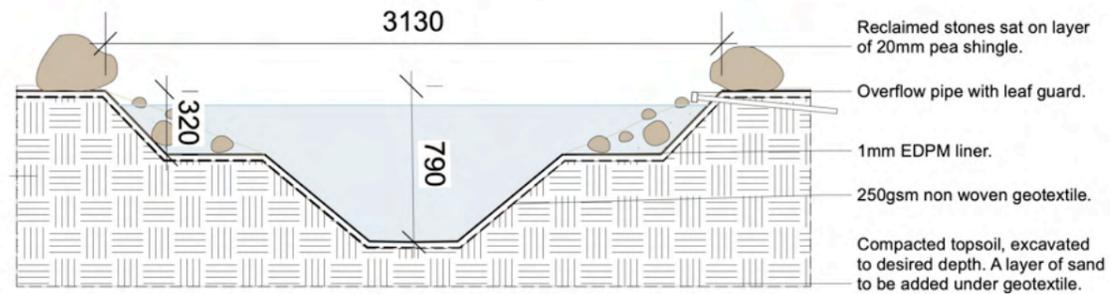
Kentri Needham

Appendix - Construction Drawings

WILDLIFE POND

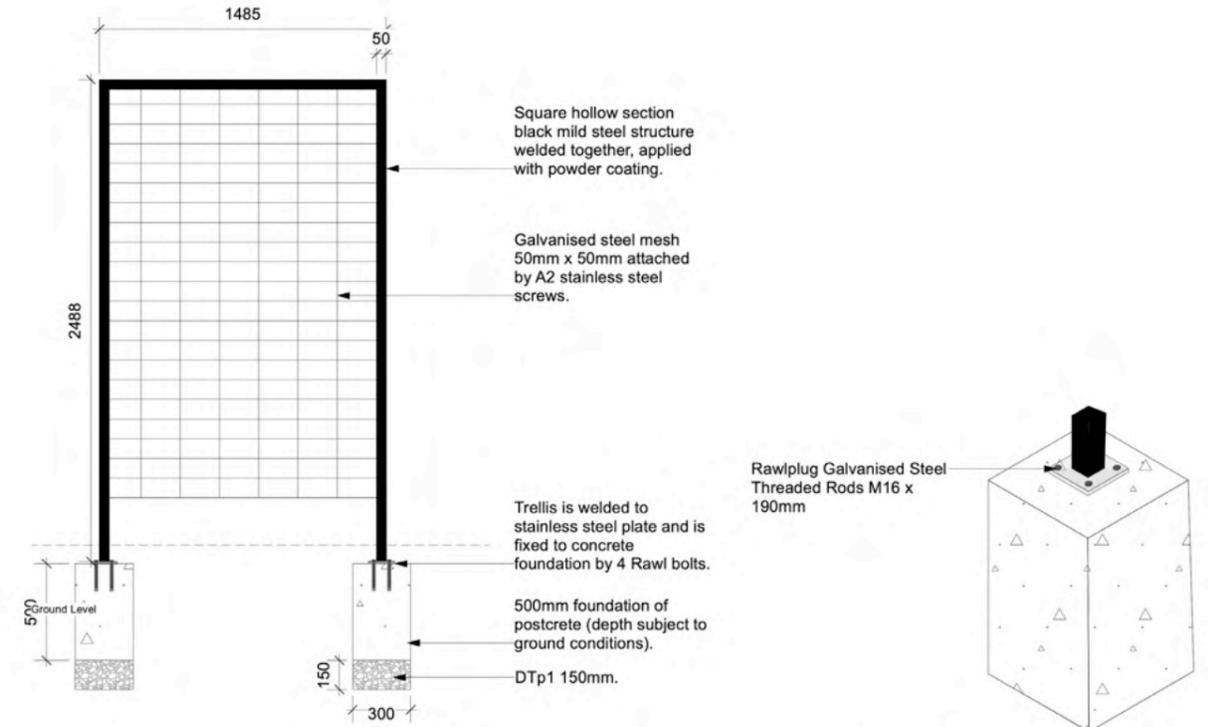


2 Wildlife Pond Top Plan
Scale: 1:25



1 Wildlife Pond Cross Section
Scale: 1:25

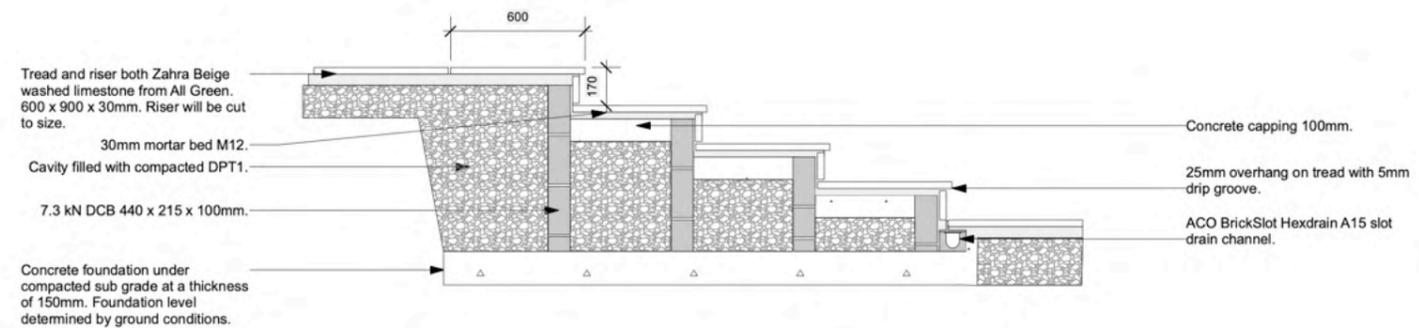
STEEL TRELLIS



1 Steel Trellis
Scale: 1:20

2 Fixing to Foundation
Scale: 1:10

STEPS

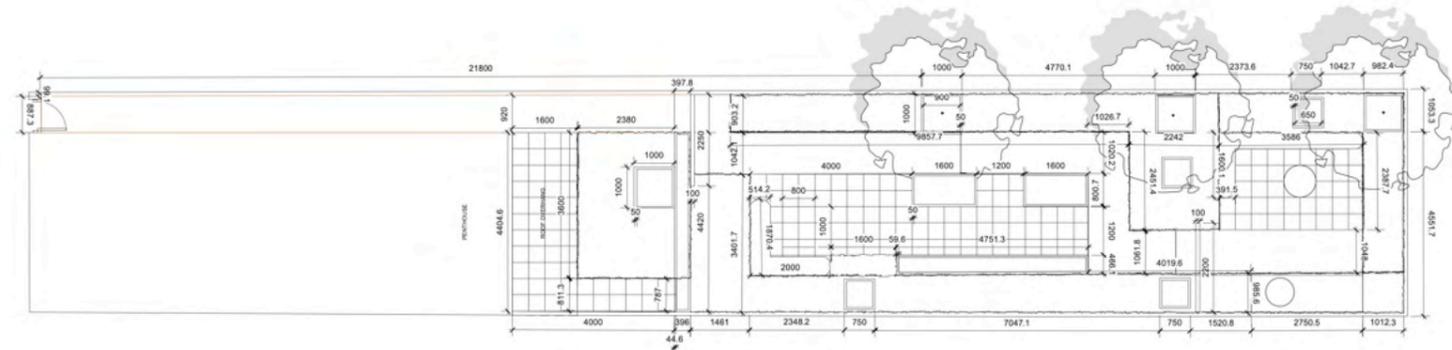


1 Steps
Scale: 1:20

All construction drawings were created in Vectorworks, all measurements are in millimetres and are drawn to scale at A3.

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Appendix - General Arrangement and Setting Out Plan



2 **Setting Out Plan**
Scale: 1:100



1 **The Penthouse: General Arrangement Plan**
Scale: 1:100

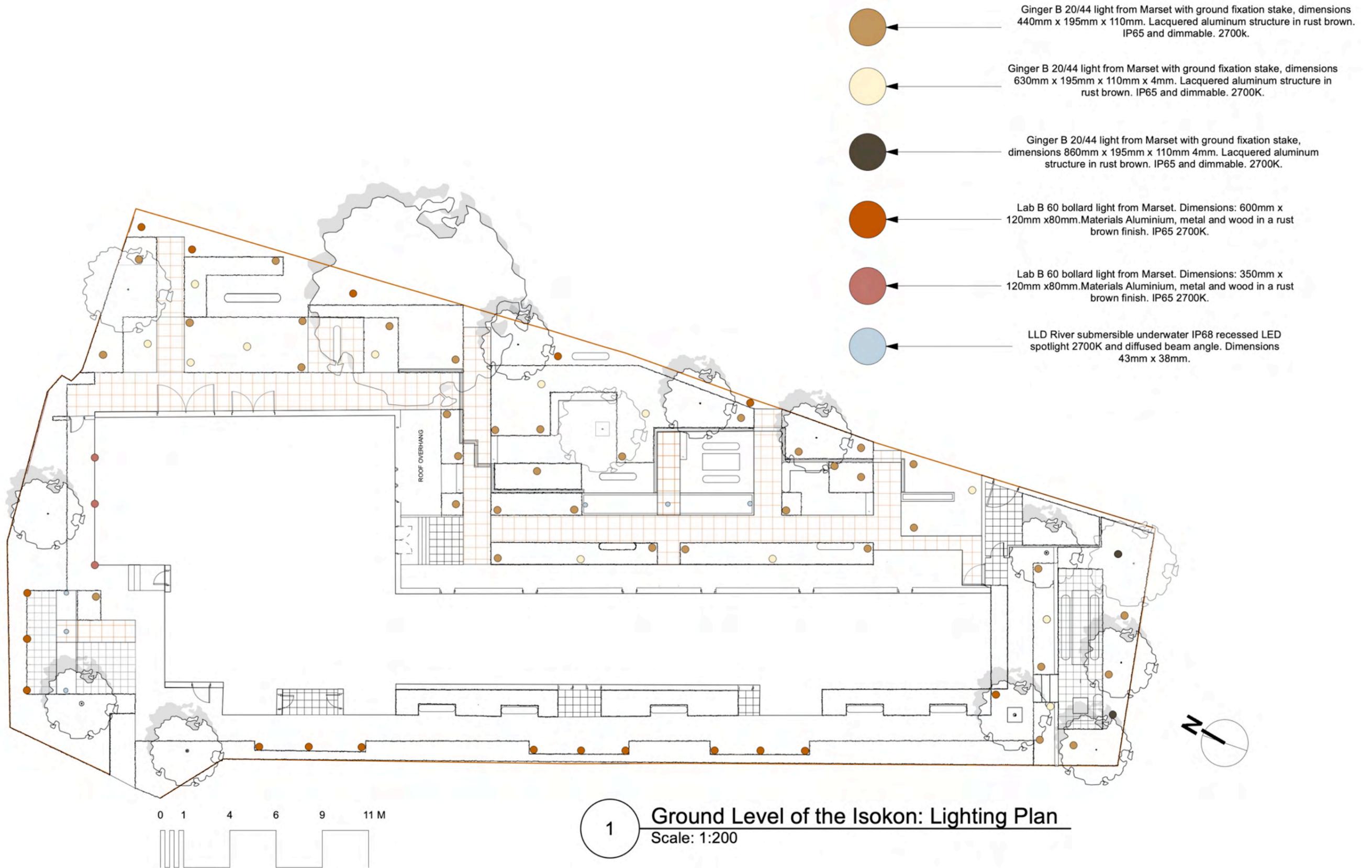
<p>P1 Existing Isokon 400mm x 400mm, 30mm thick paving to be lifted and re-laid in stack bond. Dry sand jointed.</p> <p>P2 Raised weathering steel mesh path. Structural design by engineer.</p> <p>P3 Recycled 20mm minimum crushed aggregate laid under mesh paths and used as a border mulch.</p> <p>B1 Bespoke weathering steel frame, 2250mm (H) x 2000 (H) x 100mm (D). Structural design by engineer.</p> <p>B2 Bespoke weathering steel frame, 2250mm (H) x 2000mm (H) x 100mm (D). Structural design by engineer.</p> <p>E1 50mm depth RoofEdge edging from Kinley in weathering steel. Made bespoke. Slight gravel channel between edging and paving to stop staining.</p>	<p>F1 Bespoke L shaped oak bench. Structural design by engineer.</p> <p>F2 Bespoke outdoor oak table. Structural design by engineer.</p> <p>F3 Raised oak vegetable planters, 1600 x 500 x 800mm x 50mm. 400mm soil depth.</p> <p>F4 Raised oak planter, 1000mm x 1000mm x 500mm x 50mm. 850mm soil depth.</p> <p>F5 Raised oak planter for trees. 1000mm x 1000mm x 1000mm x 50mm. 850mm soil depth.</p> <p>F6 Raised oak planter, 750mm x 750mm x 500mm x 50mm. 400mm soil depth.</p>	<p>F7 Bespoke L shaped oak bench. Structural design by engineer.</p> <p>FP Fire pit, external dimension 800mm x 800mm approx.</p> <p>GE Clients own Green Egg cooker placed in kitchen area.</p> <p>KT Bespoke kitchen unit will be designed and made by specialist.</p> <p>C Crataegus persimilis 'Prunifolia' x 3. Planted in F5 planters.</p> <p>I Intensive green roof borders, containing shrubs and herbaceous perennials. See planting plans for details. 300mm substrate depth.</p>	<p>R1 Composite wood balustrade to improve safety of low exterior walls. Structural design by engineer.</p> <p>W1 Bespoke reflective pool clad in pre weathered weathering steel. Approx 4450 x 400 x 750 x 50mm.</p> <p>W2 Bespoke reflective pool clad in pre weathered weathering steel. Approx 4750 x 470 x 450 x 50mm. Both water features W1 and W2 will be laid onto gravel to stop weathering steel stains from leaching onto concrete pavers.</p>
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* Drainage channels and levels will be determined by a structural engineer due to the buildings leaning infrastructure.

All drawings were created in Vectorworks, all measurements are in millimetres and are drawn to scale at A3.

Katie Needham

Appendix - Lighting Plan



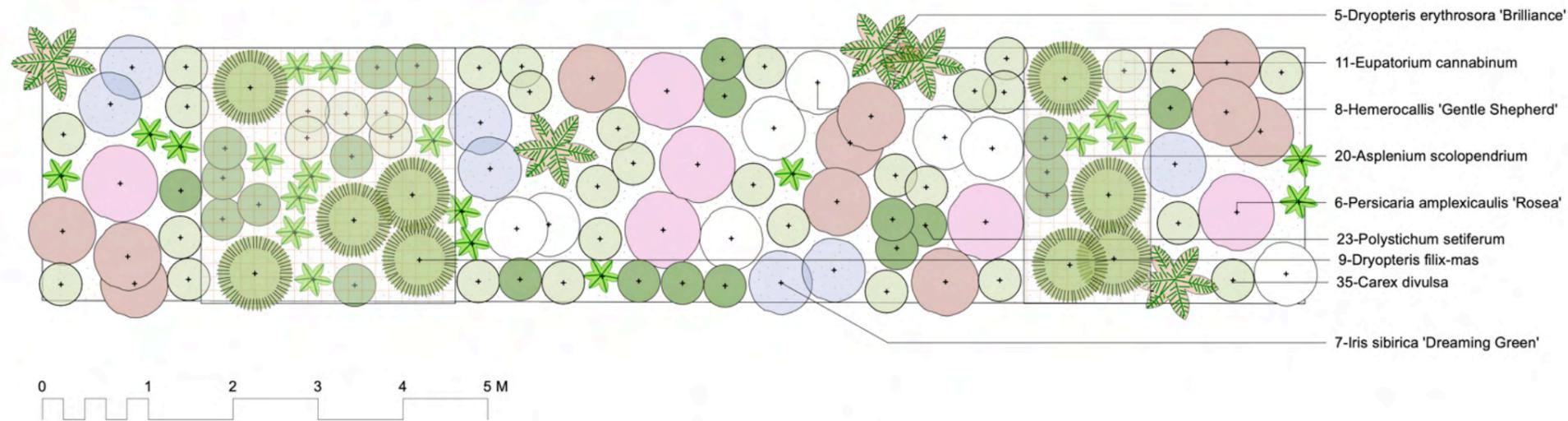
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Appendix - Planting Plan, Elevation and Schedule



Rain Garden - Plant Schedule

Latin Name	Quantity	Size	Type
<i>Dryopteris filix-mas</i>	9	2L	Fern
<i>Dryopteris erythrosora</i> 'Brilliance'	5	2L	Fern
<i>Asplenium scolopendrium</i>	20	2L	Fern
<i>Polystichum setiferum</i>	23	2L	Fern
<i>Carex divulsa</i>	35	2L	Sedge
<i>Persicaria amplexicaulis</i> 'Rosea'	6	2L	Perennial
<i>Eupatorium cannabinum</i>	11	2L	Perennial
<i>Iris sibirica</i> 'Dreaming Green'	7	2L	Perennial
<i>Hemerocallis</i> 'Gentle Shephard'	8	2L	Perennial
<i>Leucojum aestivum</i>	100		Bulb
<i>Camassia leichtlinii</i> 'Alba'	75		Bulb



1 Rain Garden
Scale: 1:50

Planting plan and elevation. Drawn to scale in Vectorworks, elevation is hand drawn and then rendered in Photoshop.

Kentri Needham

About Me

As a garden designer and artist I have a deep appreciation for the natural world and it's where I find my greatest inspiration. Taking a sensitive and considered approach to the land, I wish to create gardens that are functional yet enchant and allow for humans to reconnect and coexist with the outdoors. Resiliency, sustainability and creating rich diverse ecosystems are all fundamental to my practice and inform my design decisions.

When I'm not working I spend most of my free time outside if possible, whether it's birdwatching, visiting gardens and going for long walks in my local forest.



Photograph: Andrew Fox. From the article 'Meet the people who ditched the grind for the garden' by Alice Vincent.

EDUCATION

Garden Design Diploma - Distinction
KLC School of Design, 2023
Winner of the KLC Award for 'The Priory School' project.

RHS Level 3 Certificate in Practical Horticulture
Moulton College, Northampton, 2022

The WRAGS Scheme,
The Manor, Priors Marston, Warwickshire, 2021-2022

RHS Level 2 Diploma in the Principles and Practices of Horticulture
Moulton College, Northampton, 2020-2021

BA (Hons) Fine Art: Sculpture - 2:1
The University of Brighton, 2015-2018

Foundation Diploma in Art and Design - Distinction
The University of Northampton, 2014-2015

EMPLOYMENT

Self Employed Gardener, Good Nature Gardens
Buckinghamshire, 2020 - Current.

Apprentice Gardener
The Manor, Priors Marston, Warwickshire, 2021-2022

Sales Advisor, COS
Brighton, 2018-2020

EXPERIENCE

Great Dixter Autumn Plant Fair
Volunteer, October 2023

RHS Chelsea Flower Show
Volunteer on Cleve West's Centrepont Garden, 2023

Hampton Court Palace
Horticultural work experience, 2023

Nurture Through Nature
Volunteer, charity growing food for food banks, Brighton, 2020



Hazel I coppiced, wove into arches and grew sweet peas up.



Native perennial wildflower meadow I established in a client's garden.

SOFTWARE SKILLS

Vectorworks

SketchUp

Adobe Photoshop

Adobe InDesign

Microsoft Office

A handwritten signature in black ink that reads "Katie Needham". The signature is written in a cursive, flowing style.



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