

Utopian Garden of Barham

/ An education facility supported by the RHS encouraging young adults to become professionals at taking care of nature

A landscape led, housing project located in a small town situated in Kent's Area of Natural Outstanding Beauty.

It is an educational facility centre supported by Barham's gardening club sponsers, Royal Horticultural Society. The project works together with the community to encourage young people that have an interest in any form of gardening to turn it into a porfession, thus, encouraging and teaching more of the younger generation the imporatnce to take care of our countryside land-scapes.

Students enroll on a two year course, where they practice practical horticultural skills and learn more about the principles of plant growth and development. Whilst each student will receive a certificate for completing the program, students are presented with the ability to show off their practical skills at the end of year two to a wider community of locals and professionals.

Students will create their own garden sanctuary, a concept that follows the power of creating a private garden to heal therapeutically. This will then become one of many other events hosted by RHS across the entire country. At this stage students will have the opportunity to interact and impress professionals in the field.

The facility itself, offers forty students to live on campus whilst undertaking the course, where they will be fully immersed into the natural side of the program. On site, is also located, a botanical garden, three greenhouses, wildlife meadow, a pond, trial gardens, bee homes and space for end of year show garden sanctuaries.

Small issues become big
/ a comic stripe example of only one upscaled 'miniature' problem that represents all



01 - Large flower installation in Kent's AONB

Abstract metal flower frame causes eye sore in fragile landscape

02 - Bee spots bright flower

Process of pollination begins

03 - Same bee spots another beautiful flower

Process of pollination continues

04 - Pollination multiplies

Bee's are vital insects to our ecosystems as they produce the next generation of plants and crops we eat.

05 - Nature takes of abstract flower form

Bee pollinators are risk of extinction. Heavy affected by intensification of agriculture has led to destruction of habitat, and what is left behind is becoming increasingly fragmented.

Royal Horticultural Society (RHS) **FUTURE? Educational Content Covered** Why choose horticulture? **Barham & Distcrict Horticultural Society Year One Year Two** Mainly 40+ of Level 2 Certificate in the Principles Level 2 Certificate in Practical over 200 members years of age Next? of Plant Growth and Development Horticulture individual's homes Barham Site; Topics covered include: Topics covered include: gathers at town hall + Plant Science I + Plant Identification + Plant Health + Plant Establishment + Plant Nutrition + Plant Propagation + Plant Specification + Plant Health **Master of Horticulture** Level 3 + Plant Science II + Plant Care An online degree-level qualification for For those working in horticulture wanting + Plant Pruning + Planting Styles Growing: experienced horticulturists Growing: to further their career + Garden Features + Horticulture & Society + Biodiversity + Grassed Areas Careers Spring show Small Scale Autumn Show **Utopian Garden of Barham** Benefits of being part of the 0 society: P.W. **Program Duration** Benefits of being part of the society: 1st year: 2nd year: the Principles of Plant \$ 500 E ment Chance to learn + show off + Spring Show Day in the life of Jennie Jennie is a **24 year old** individual Jennie signs up to RHS South Completing her primary education Later that week, Barham & having grown up in a small family East Education Scheme; 2 in Barham and secondary education Distrcit Horticultural Society, in Barham, Kent. She has always in Canterbury, Jennie comes across of whom Jennie is part of, year course to continue loved gardening from a young age professing her passion for an advertised post on **instagram** announces the grand opening

gardening and nature

of RHS South East Education

Scheme located in the heart

of Barham

but never did she think it'd be

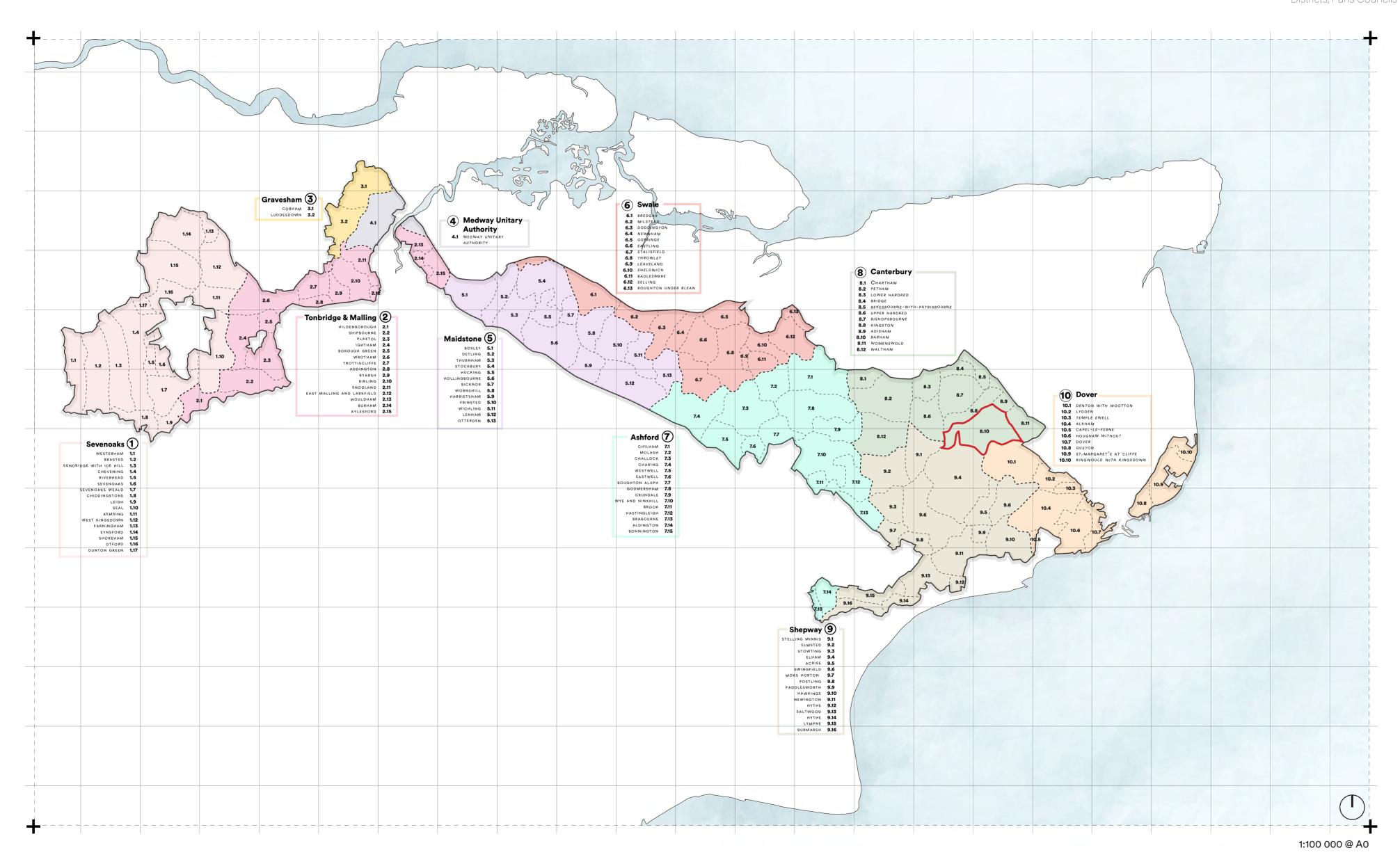
possible to make a career out if

marketing gardening as the green

skills for the future

Kent's AONB Governance Atlas

/ Showing Local Authorities, Districts, Paris Councils





Geology Analysis

Bedrock geology shown as Lewes Nodular Chalk Formation (chalk), with no overlying by superficial deposits recorded.

Terrain Analysis

The terrain height on site spans from +70m East bound to +48m towards West, meaning the site is at a gradual slope downwards towards the town centre that is situated app. between +48m to 60m.

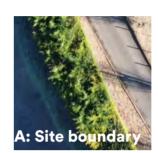
Nature Analysis

The psychological aspect of human well-being has become a fundamental ritual most of the population strive for, following the recent awakening made by the covid-19. Green space or otherwise known as a 'garden' has become a vital asset in the modern world. However, what once was an ordinary has now become a valuable luxury only a few are able to afford.

Located in Barham, Kent, it is important to assess and acknowledge the everlasting driving force of the sacred green space that makes Kent's AONB.

Existing Site Analysis / Site video + climate analysis



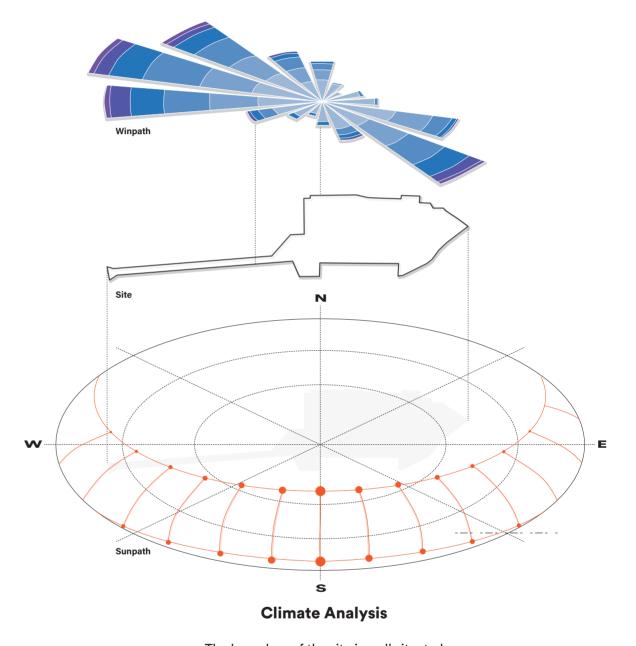












The boundary of the site is well situated such that it receives the utmost sunlight through the course of the day. This is essential as many plants require unlimited amount of sunlight for healthy growth.

Ecosystem Created

/ Life amongst the utopian garden

Birds

~ 140 bird species recorded in British gardens



Turdus iliacus 'Redwing'

Diet: berries, worms, fruit

Habitat: open country, hedgerows, parks, gardens



Delichon urbica 'House Martin'

flying insects, aphids

open farmland, open water



Turdus merula 'Blackbird'

insects, earthworms, fruit, berries gardens, woodland, grassland



Corvus frugilegus 'Rook'

invertebrates, grain, fruit, acorns farmland, grassland, open wood-



Insects - flies, beetles moths, spiders farmland, grassland, open woodland, wetland



Anthus petrosus 'Meadow Pipit'



'Beetle'

~ 27,000 types of species recorded in British aardens

Insects

Caelifera 'Grasshopper'



Lepidoptera

'Moth'

Tipulidae

'Crane Fly'

Lepidoptera 'Butterfly'



Coccinellidae 'Ladybug'



Gastropoda

'Slug'

Gastropoda

'Snail'

Araneae 'Spider'



Cyanistes caeruleus 'Bluetit'

Diet: insects, spiders, caterpillars, fruit, seeds

Habitat:

woodland, gardens, hedges, parks



Hirundo rustica 'Swallow'

flies and aphids grassland, heathland,

woodland, towns



Chloris chloris 'Greenfinch'

seeds, insects woodland, farmland, urban and

suburban



Regulus regulus 'Goldcrest'

spiders, moth eggs and other small insect food

woodland, urban and suburban



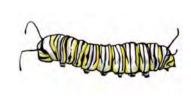
Pyrrhula pyrrhula 'Bullfinch'

seeds, buds and insects (for young) farmland, woodland, urban and sub-

urban



Pyrrhula pyrrhula 'Anthophila'



Lepidoptera 'Caterpillar'



Anisoptera 'Dragonfly'

Small Mammals



Oryctolagus cuniculus 'Rabbit'



Erinaceinae 'Hegdehog'



Sciuridae 'Squirrel'



Anura 'Frog'



Vulpes vulpes 'Red Fox'



Meles meles 'Badger'



Cervidae 'Deer'



Lissotriton vulgaris



Vertebrata (subphylum) 'Common Newt' 'Small pond fish'

Flower Study

/A few flowers that grow in chalky Kent soil



California Poppy



Crown Imperial



Peony 'sarah bernhardt'



Lilac / Syringa vulgaris



Clematis

Plant description

Height: 5 to 60cm
Growth Rate: Fast / Moderate

Fragrance: Slight

Flowering Season: Spring / Winter / Summer / Fall

Landscape information

Sun: Full sun

Moisture: Very low / low

Prone to diesease: Yes

Cold Tolerance: up to -12 celsius

1-1.5m Fast Strong Summer

Full Sun / Partial Shade Well-drained No up to -10 celsius 0.5-1m Slow Moderate / Strong Summer

Full Sun / Partial Shade Moist but well-drained Yes up to -1 celsius 4-8m Moderate / Fast Strong Spring / Summer

Full Sun Moist but well drained Yes up to -15 celsius 1.5-2.5m Fast Slight Summer / Autumn

Full Sun / Partial Shade Moist but well-drained Yes up to -40 celsius



Wallflowers



Sedum Matrona



Bergenia 'claire maxine'



Lavender



Penstemon 'gardent'

Plant description

Height: 0.1-0.5m
Growth Rate: Fast
Fragrance: Moderate
Flowering Season: Spring

Landscape information

Sun: Full Sun
Moisture: Well-drained

Prone to diesease: Yes
Cold Tolerance: up to -2 celsius

0.1-0.5m Fast / Moderate Slight Summer / Autumn

Full Sun Well-drained No up to -10 celsius 0.1-0.5m Fast Moderate Spring

Full Sun / Partial Shade Moist but well-drained Yes up to -2 celsius 0.5-1m Fast Strong Summer

Full Sun Well-drained Yes up to -25 celsius 0.5-1m Moderate / Slow Moderate Summer

Full Sun / Partial Shade Well-drained No up to -10 celsius

Planting System

/ Egological restoration



1. Wildlife Meadow

Occupying a large space within the formal garden, the wildlife meadow is a crucial permanent grass space where wildflowers grow.

It's rich plant diversity attracts many insects, invertebrates and brids. Most importantly is it a space that combats declining pollination rates - the wildflowers provide bees, butterflies and other pollinators with food throughout the year.

2. Wildlife Pond

The wildlife pond situated at the heart of the formal garden enriches the facility with freshwater wildlife. It is the perfect way to enrich the countrysides biodiversity attracting many rare species that are slowly becoming prone to decreasing numbers due to climate change.

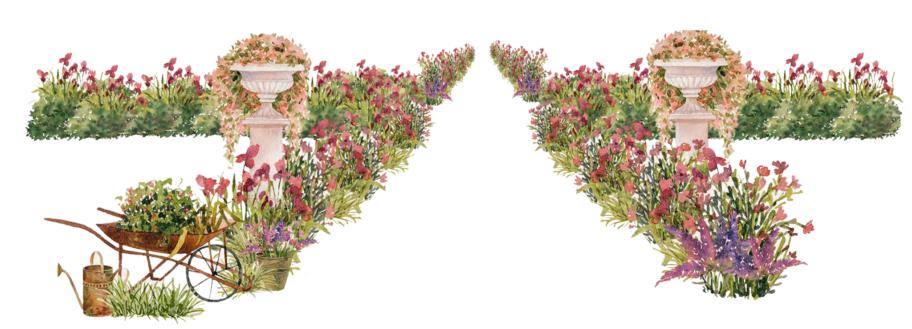




3. Wildlife Garden

The wildlife garden will be a more private relaxation garden behind each students home. The first year students will share one big garden, sepearte to the second year students. The purpose of connecting the homes gardens is to provide a space where students are able to interact and carry out stress free. non-study related activities with their fellow colleagues.





7. Show Garden

The show garden, also known as the sanctuary garden, allows students to showcase their creative gardening skills they've learnt on the course.

This space is utilised by second year students at the end of their course, where RHS invites professionals to visit the Uropian Garden of Barham specifically for this event. At this stage, students are presented with the opportunity to impress professionals in their field.



4. Buffer Zone

The boundary of the site will consist of a traditionally laid hawthorn hedge along with planted english specied trees from sycamore trees all the way to oak trees. The hawthorn hedge will not only provide a natural and organic barrier but will further produce food such as berries and flowers to provide pollen and nectar for insects.



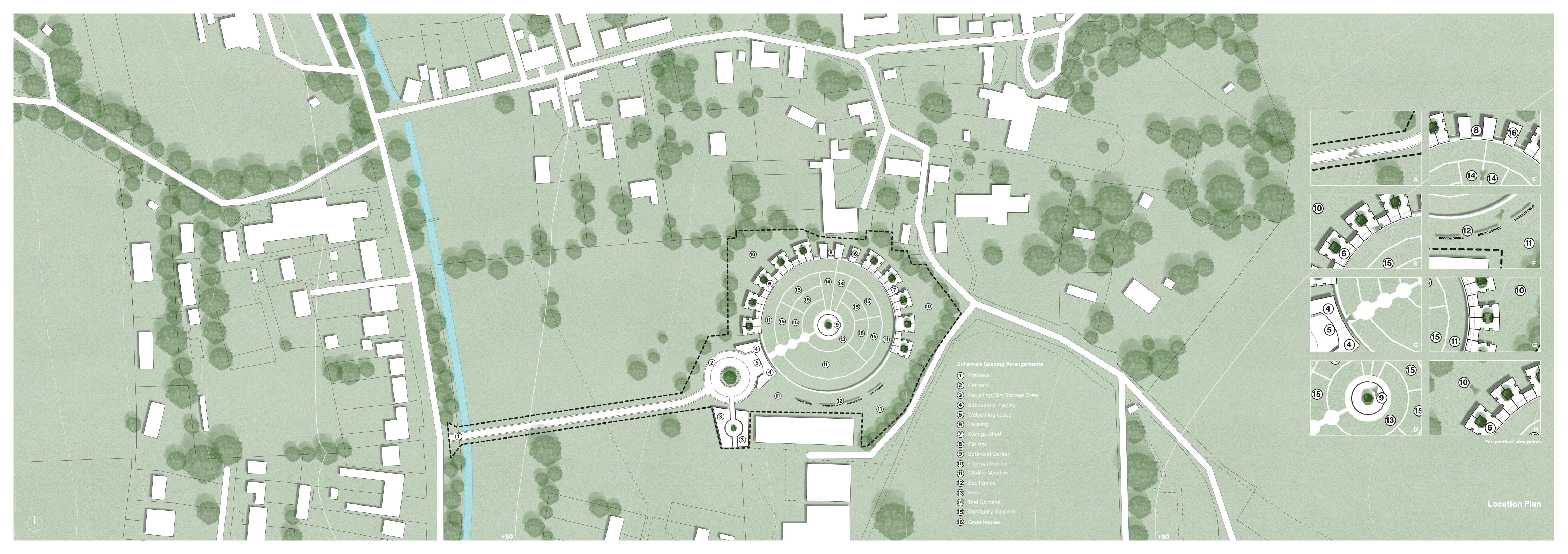
5. Espalier Fruit Trees

Espalier fruit trees will be grown on the formal gardens brick wall. The brick wall works like a Victorian Heated garden wall, where the masonry absorbed the sun's heat and allows for quick ripening of the fruit. Although this practice evolved in climates not particulaly suitable for fruit production, in this project it is used more as a display of a traditional practice providing guaranteed growth of fruit trees.

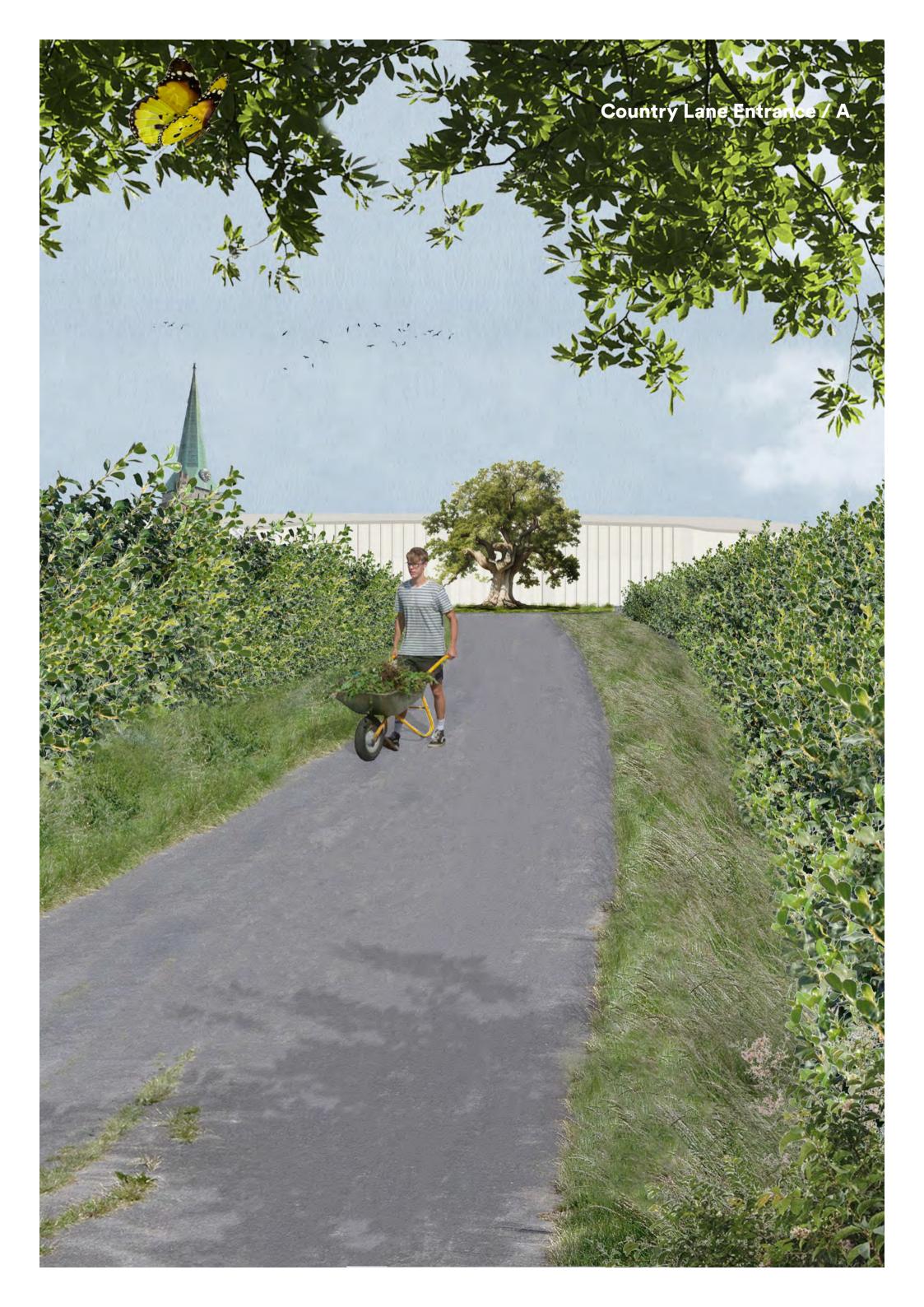


6. Trial Gardens

Trial gardens are a practical learning tool for students as it teaches them about growth habits of new/existing plant varieties. Students are able to practice new and improved cultivated techniques, usually done through plant breeding, thus, providing a more practical way of learning. It is an important zone for students to essentially evaluate plants and learn first hand.













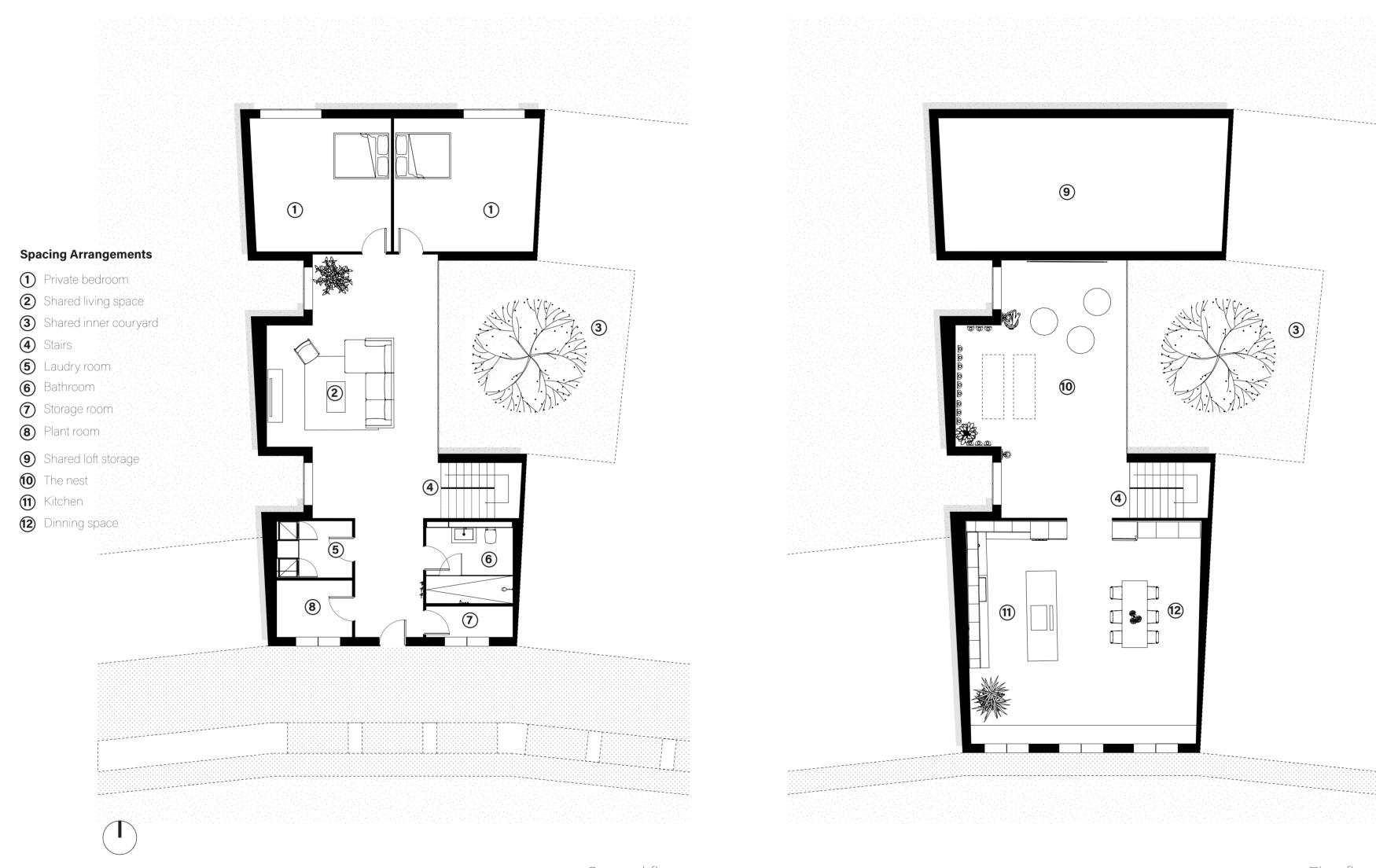












Ground floor
First floor

