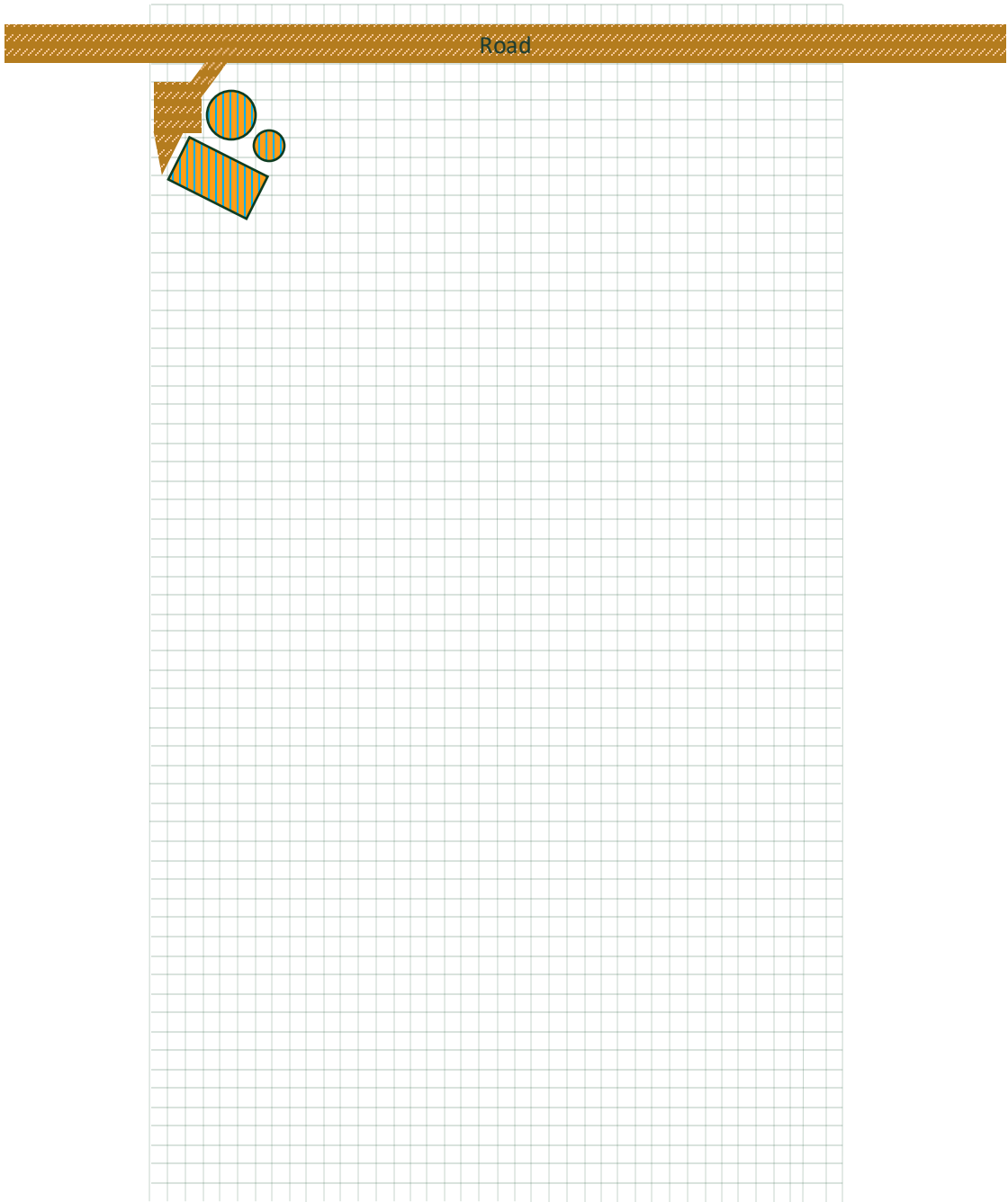
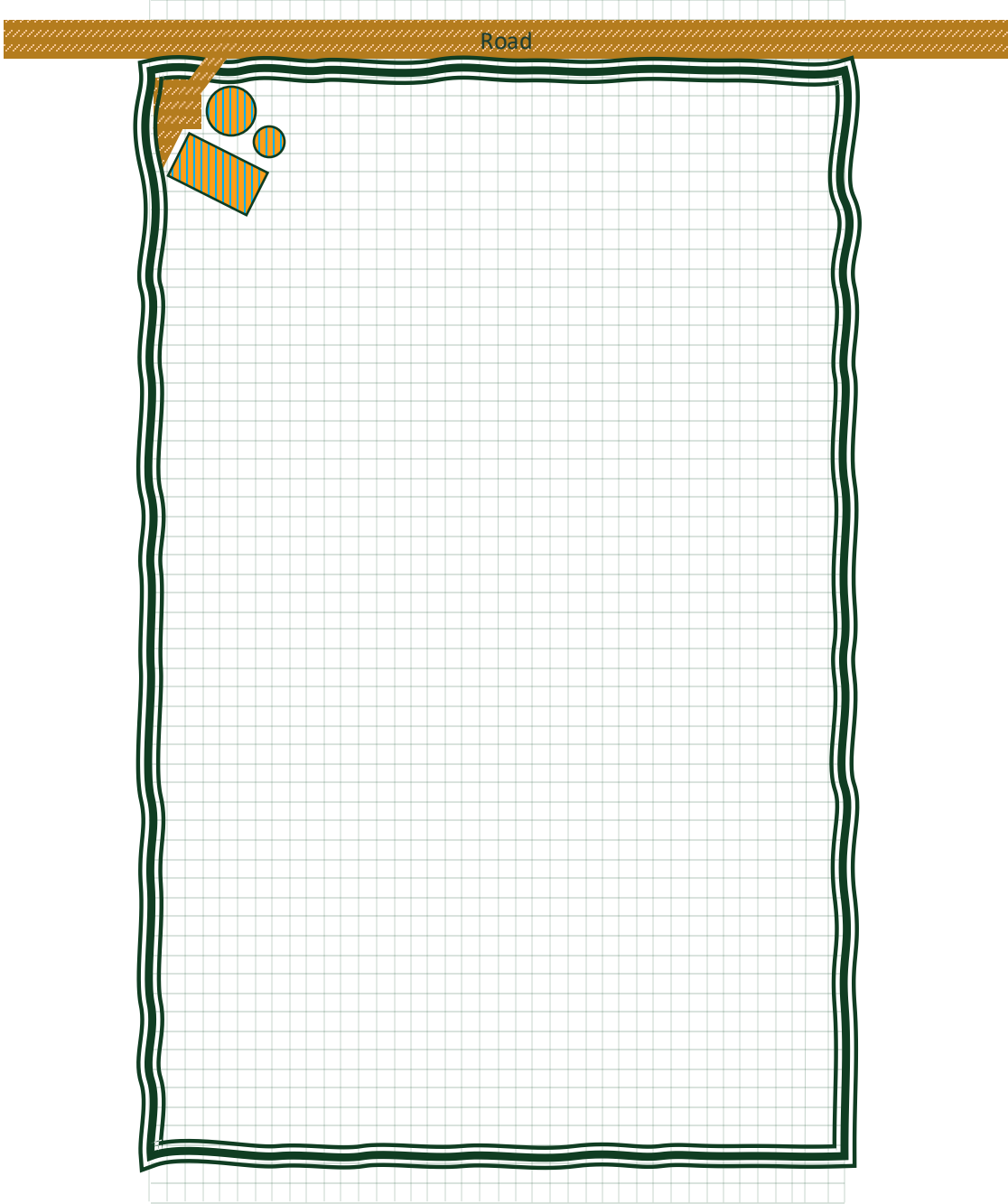


Grid Scale = 1 : 2m

Homestead /Existing Structures

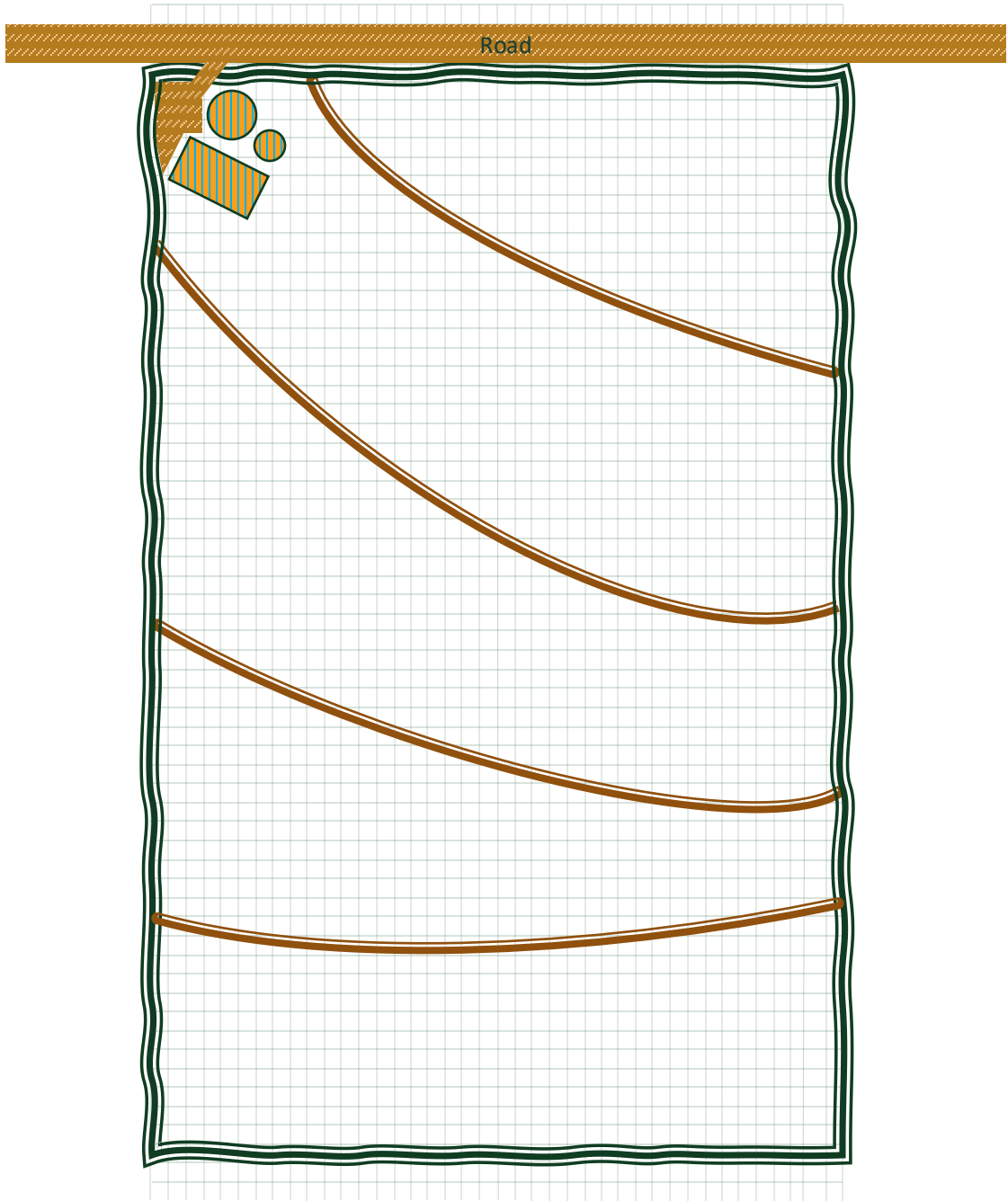


Green Wall



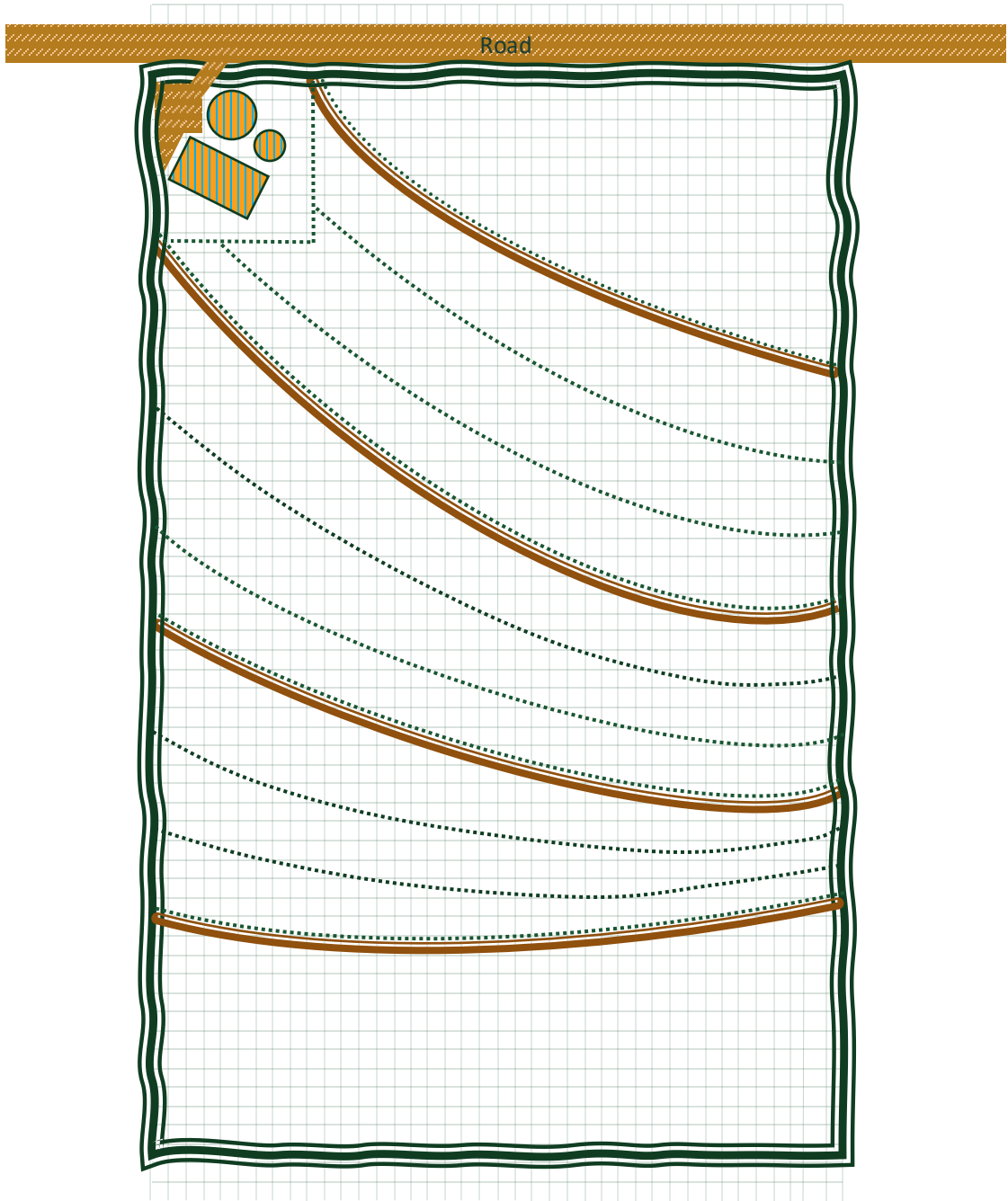
Grid Scale = 1 : 2m

Soil & Water Conservation / Berms & Swales



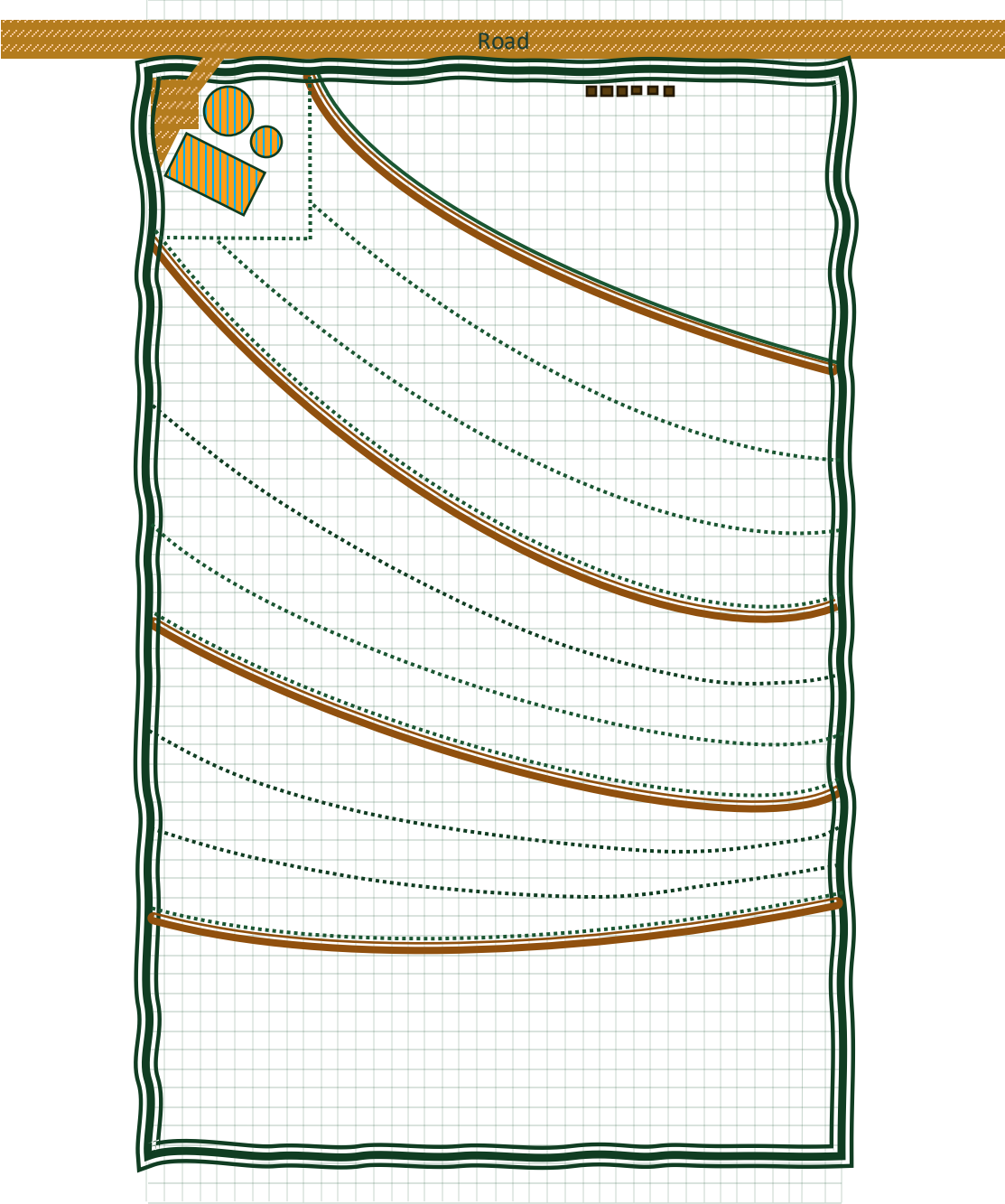
Grid Scale = 1 : 2m

Alleys of Nitrogen-fixing Trees & Grasses



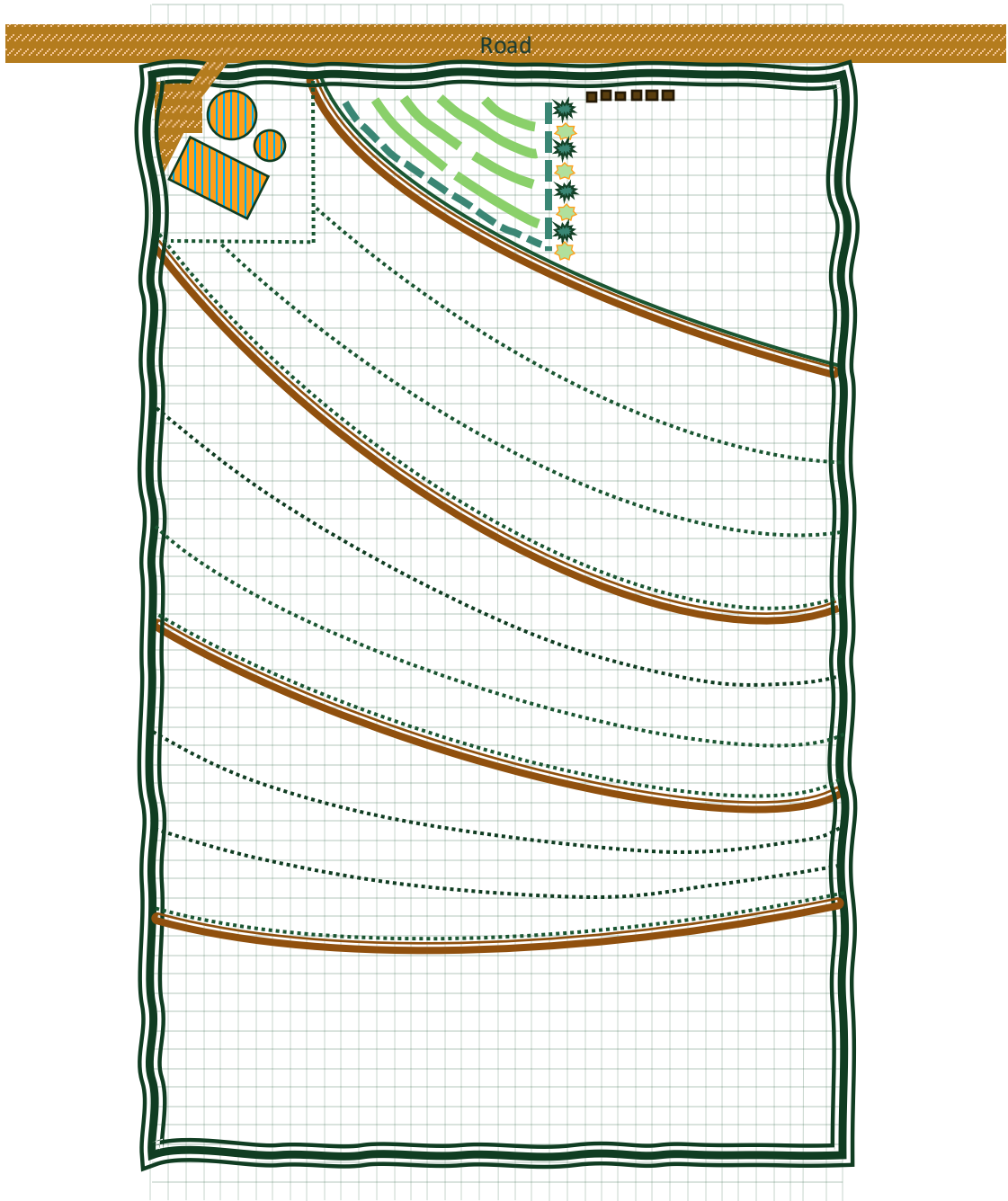
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Compost Piles



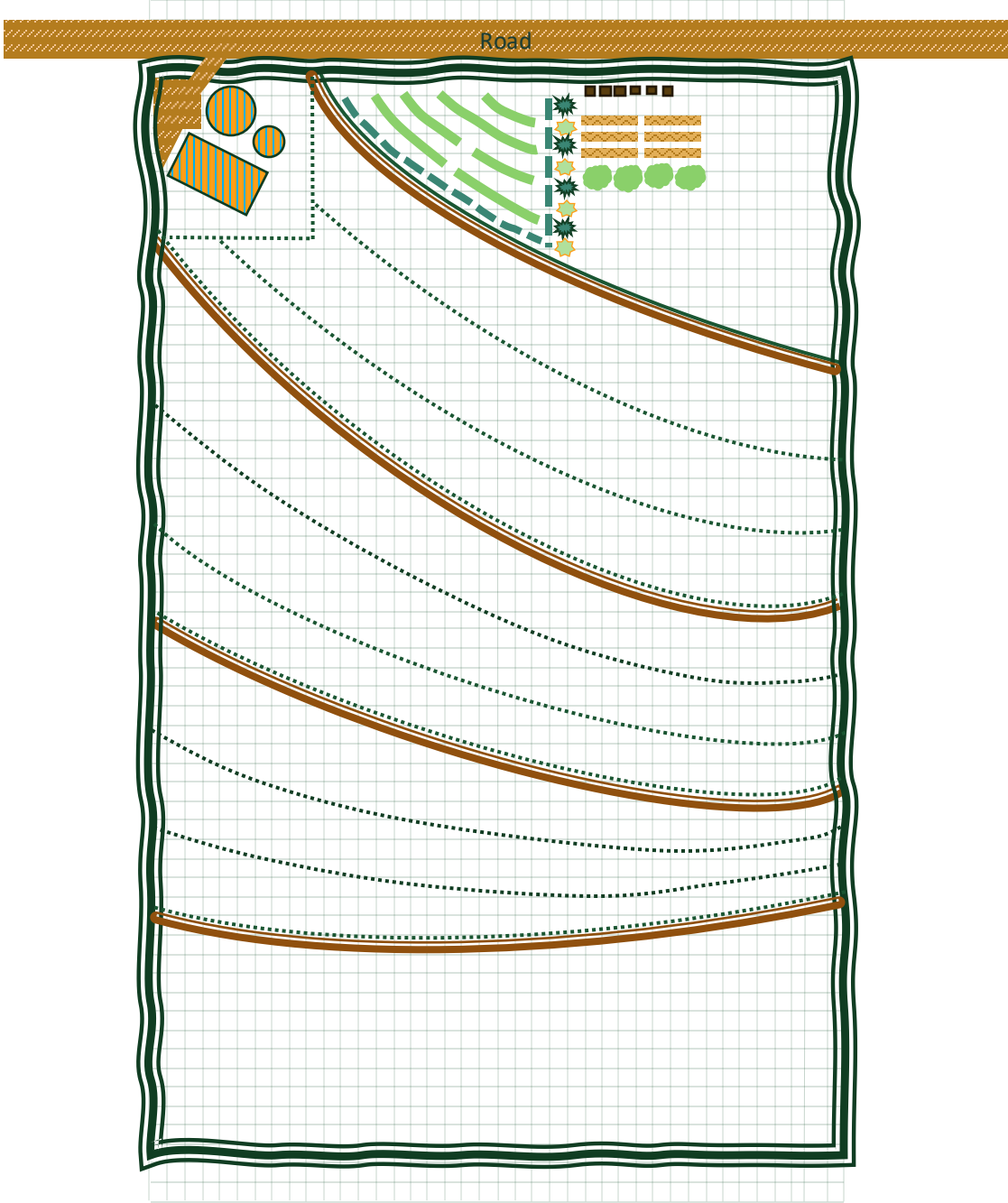
Grid Scale = 1 : 2m

Family Permagarden with small fruits, beds and rows of perennials for IPM



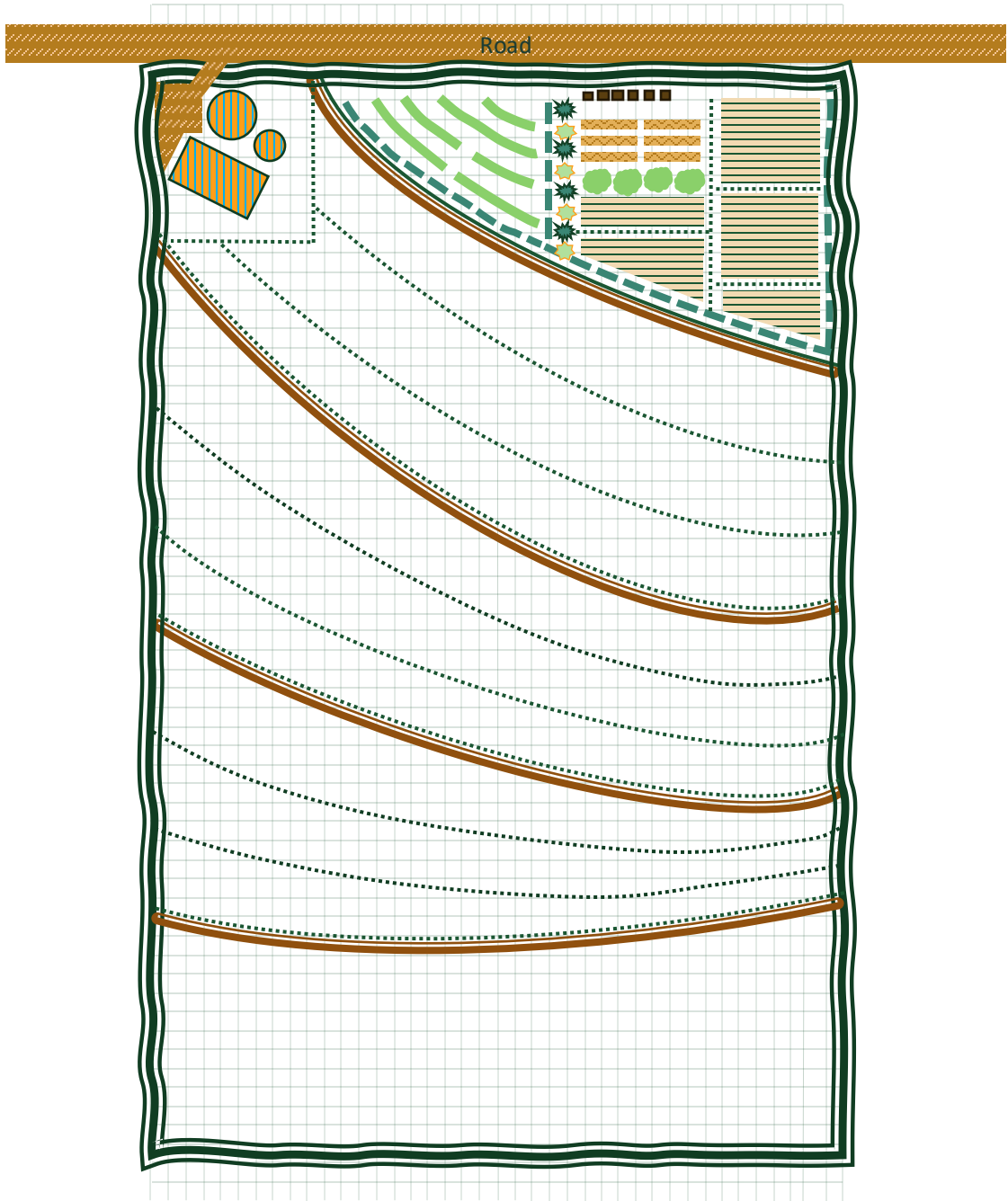
Grid Scale = 1 : 2m

Tree and Vegetable Nursery



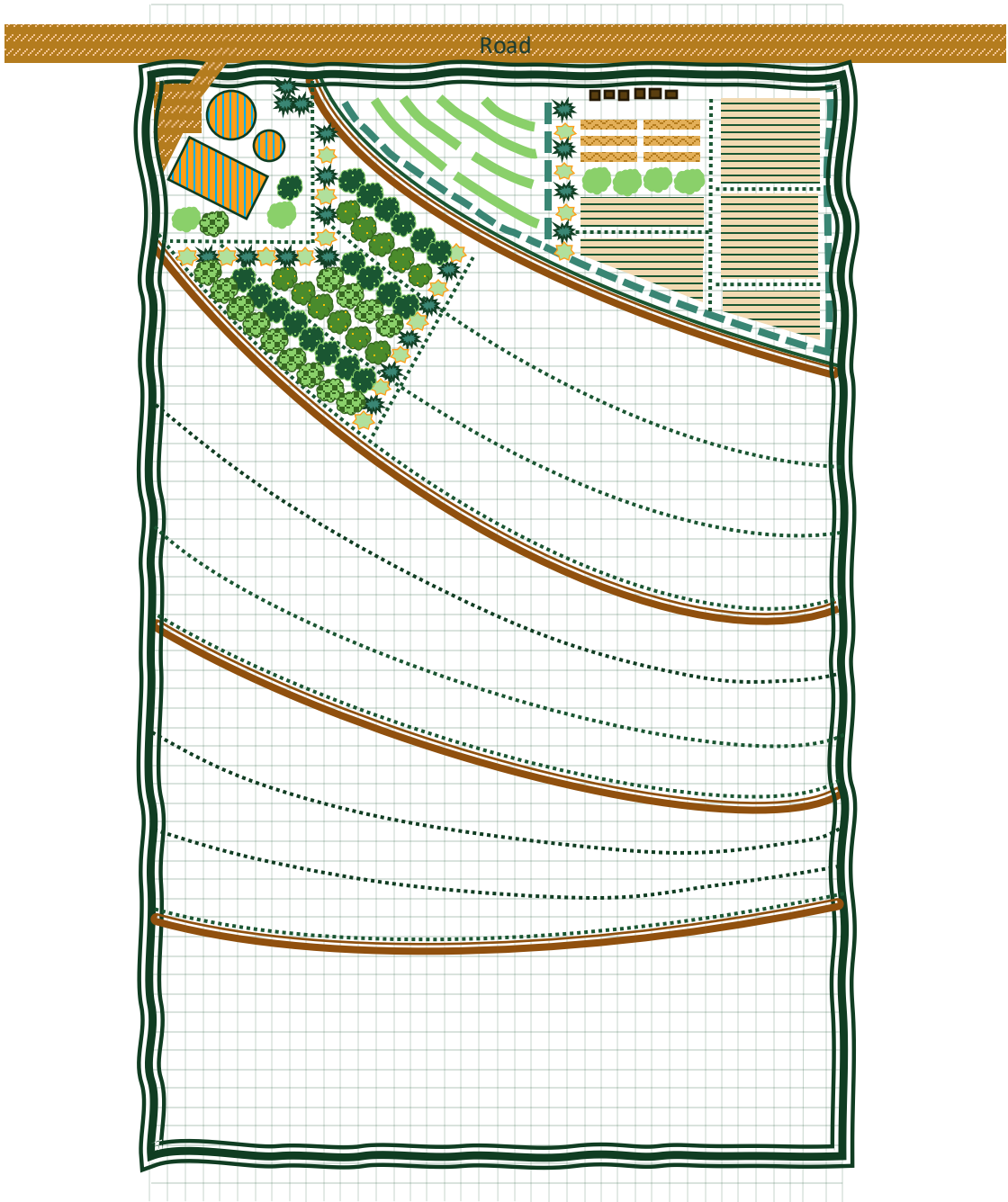
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Permagarden for Market Vegetables

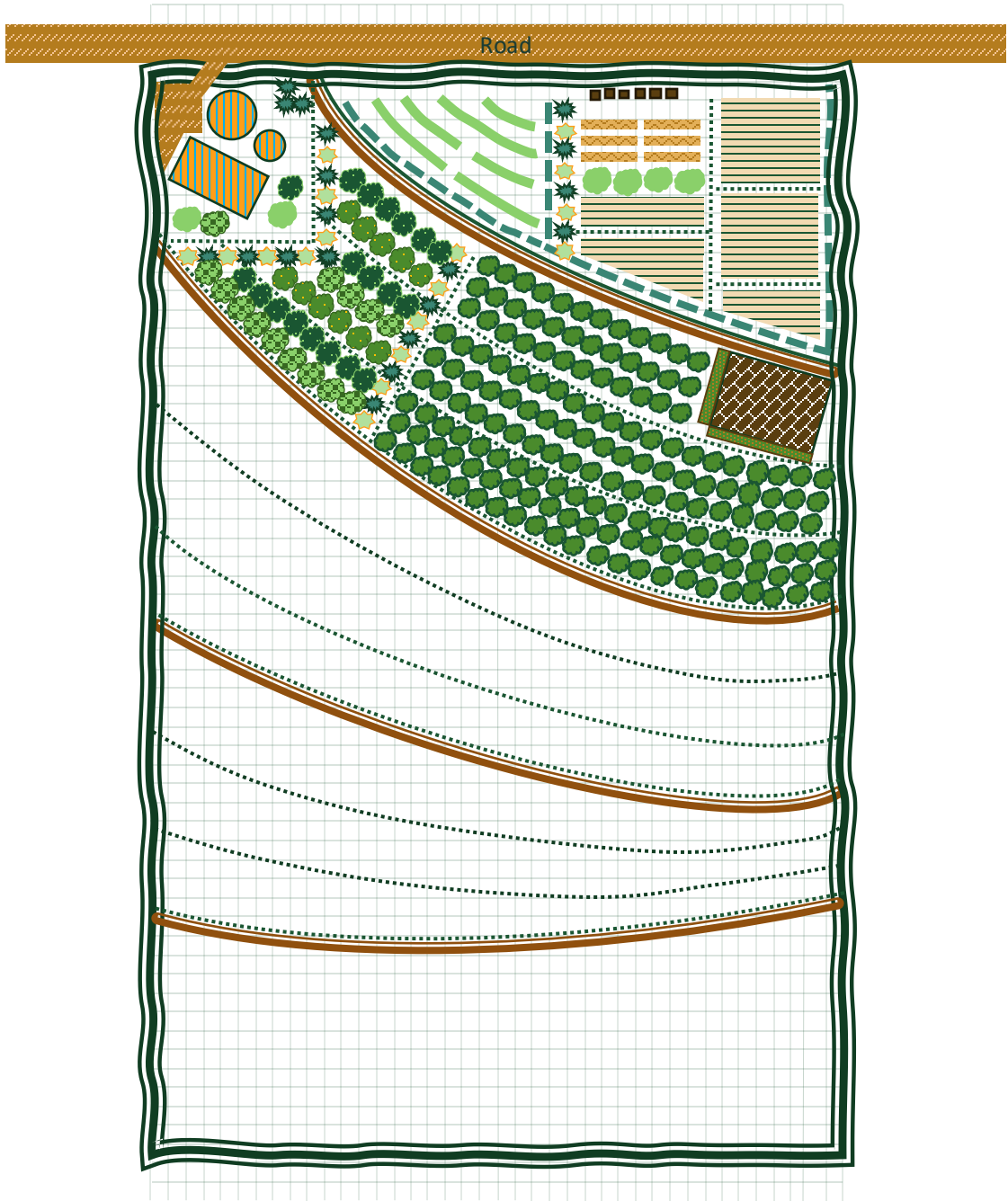


Grid Scale = 1 : 2m

Small Fruit Orchard

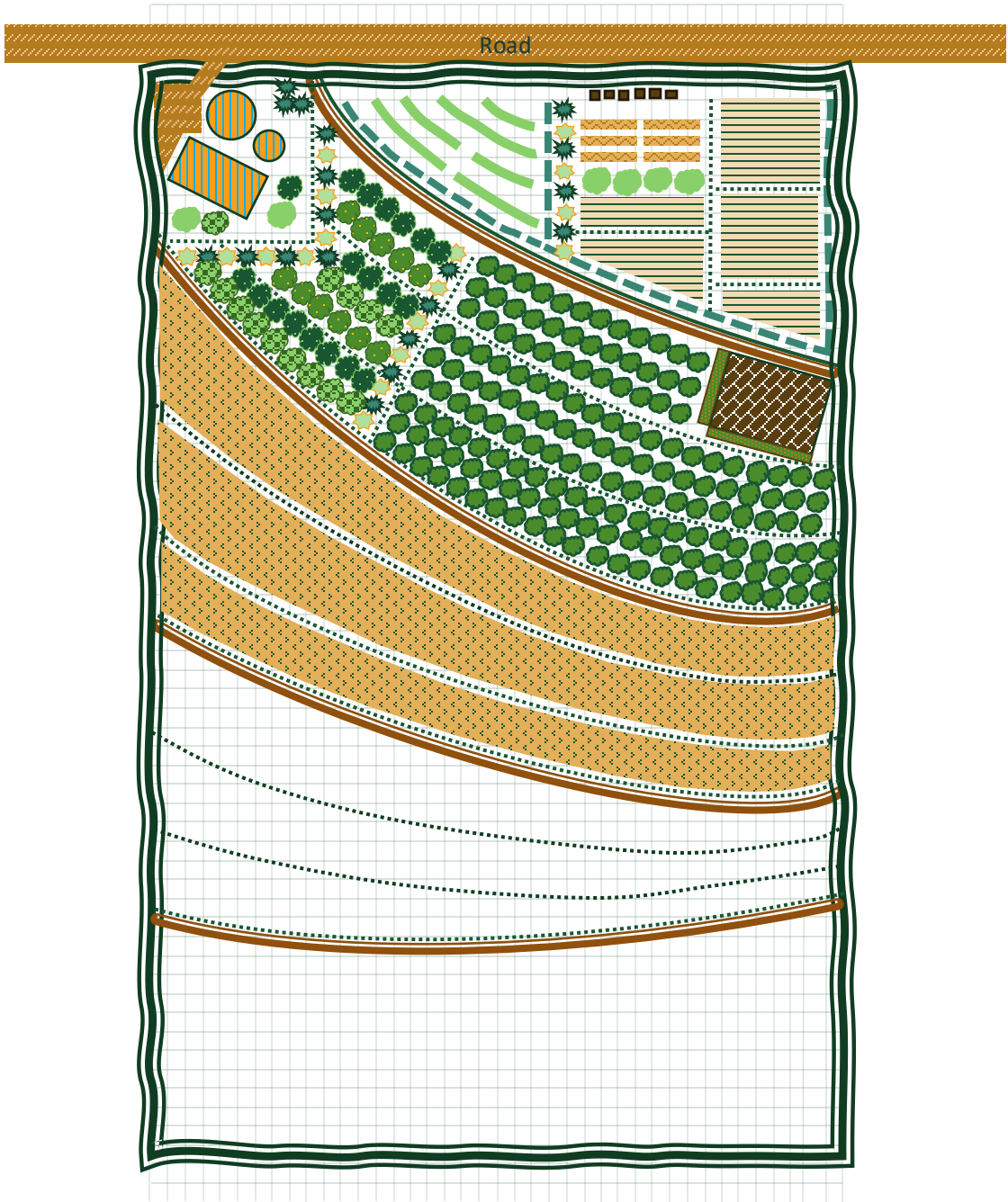


Livestock Corral and Intensive Fodder Production



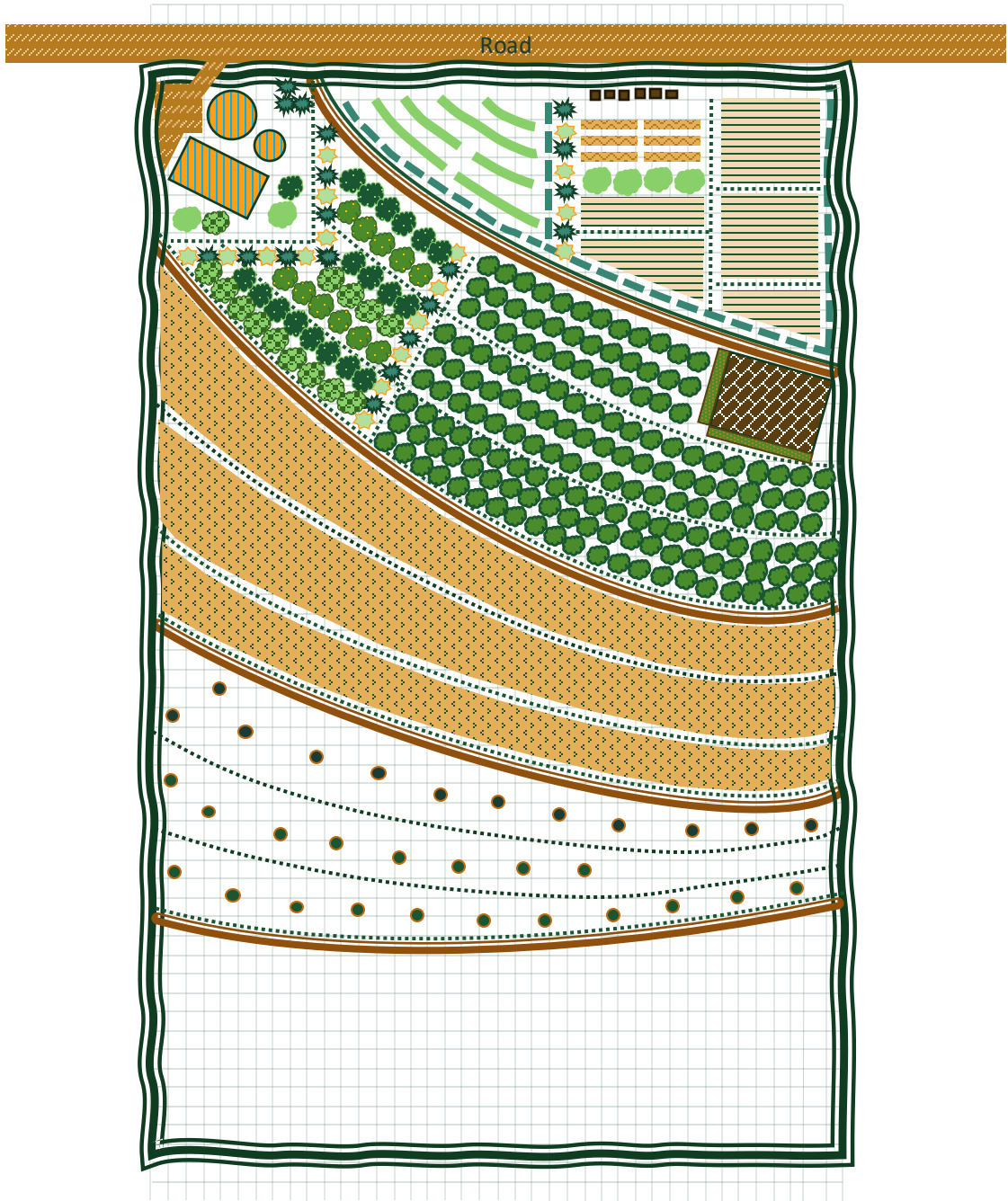
Grid Scale = 1 : 2m

Field Crops



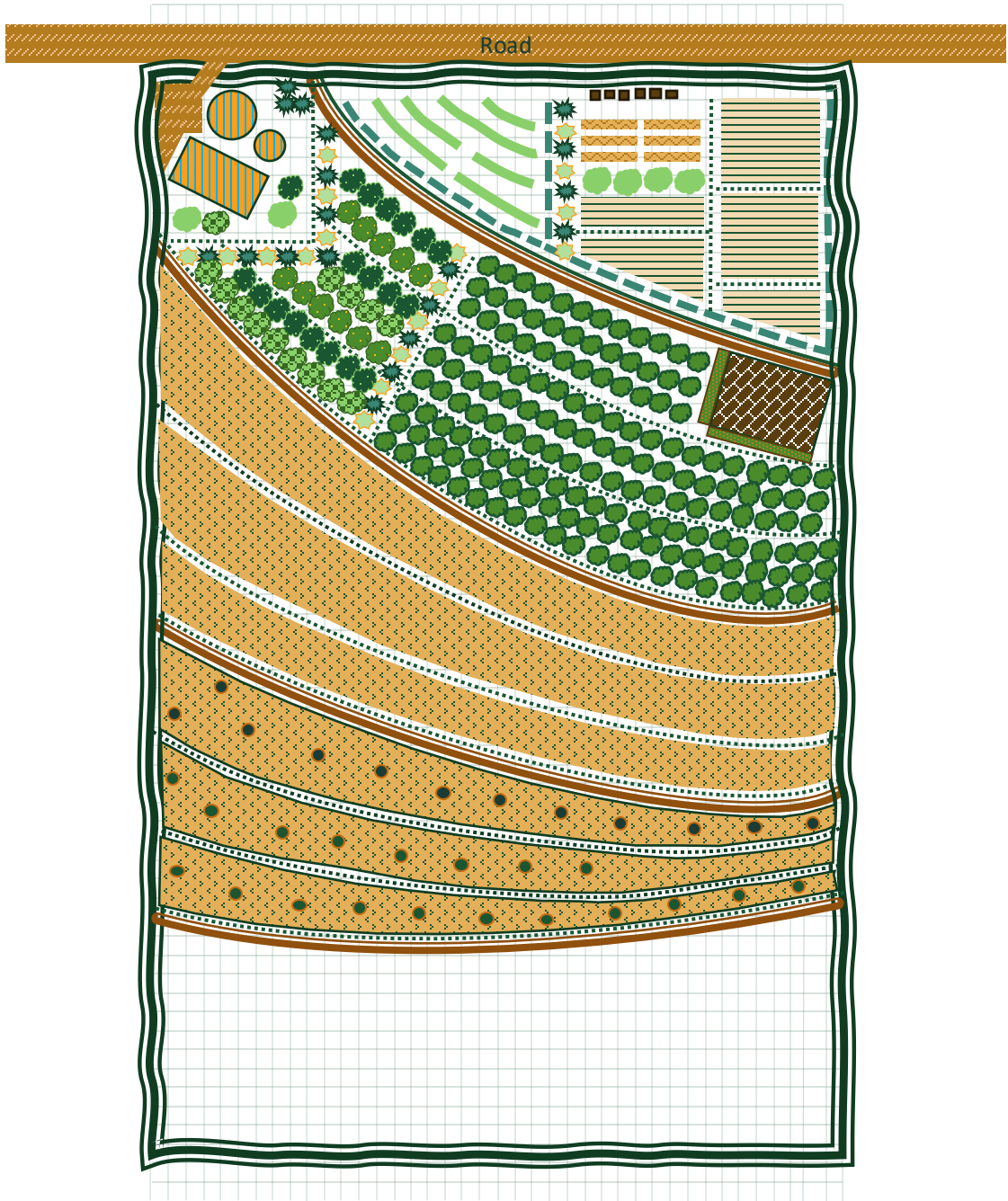
Grid Scale = 1 : 2m

Large Fruit Tree seedlings planted



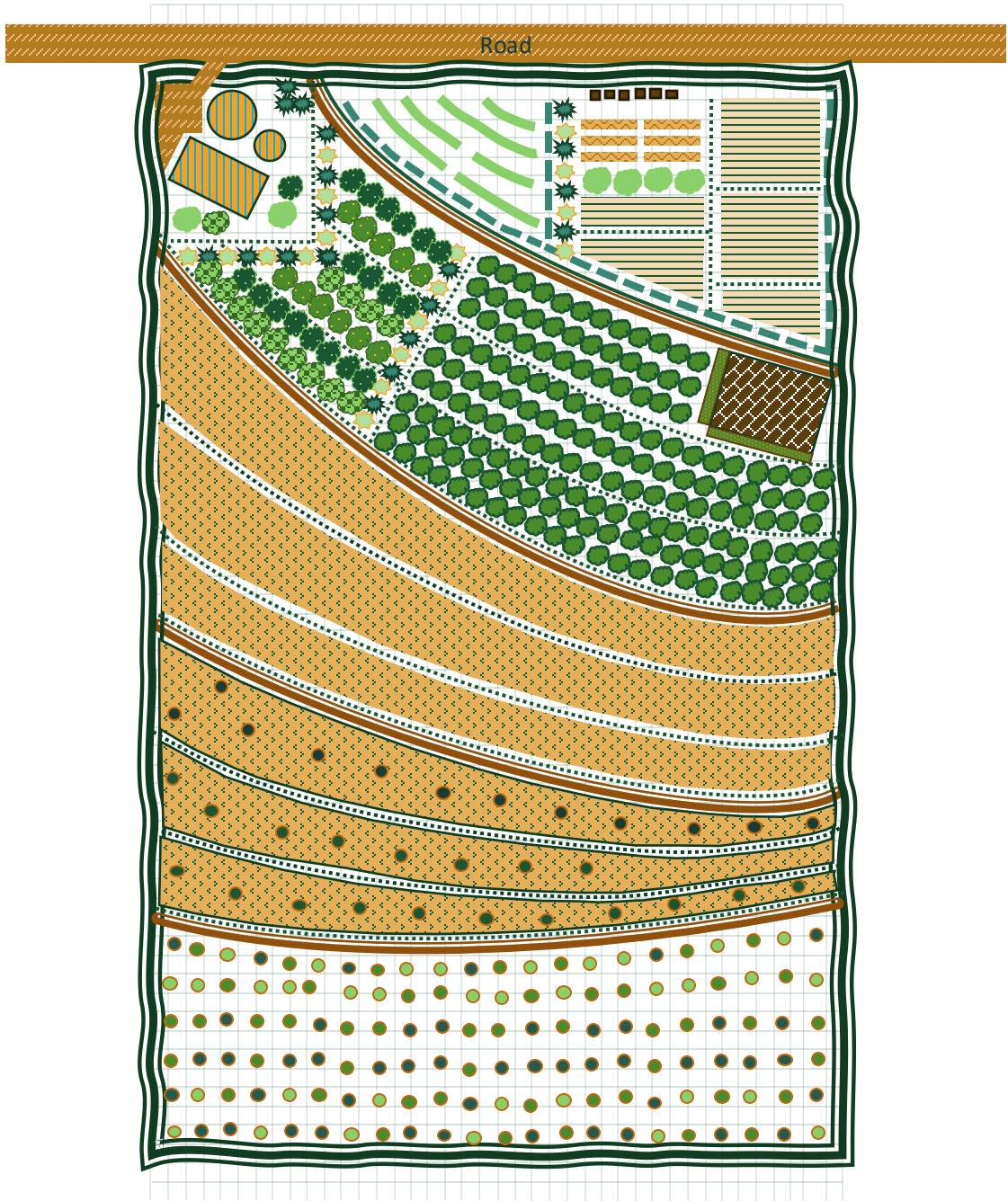
Grid Scale = 1 : 2m

Field crops planted in nascent fruit orchard



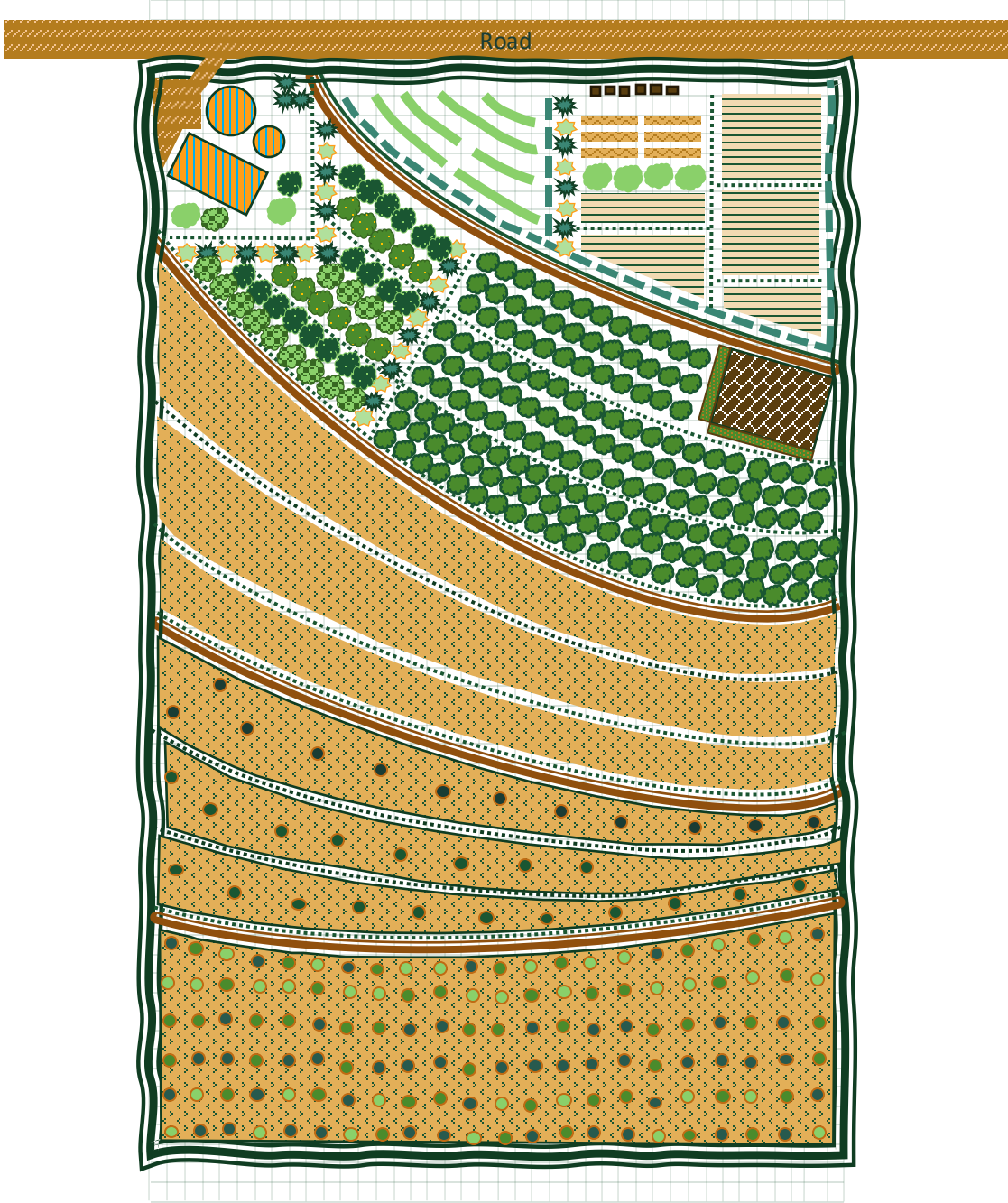
Grid Scale = 1 : 2m

Timber plantation planted



Grid Scale = 1 : 2m

Field crops planted in nascent timber plot



Field crops planted in maturing orchard



Grid Scale = 1 : 2m

Maturing Forest Garden



Grid Scale = 1 : 2m

Mature Forest Garden





Grid Scale = 1 : 2m

- | | |
|---------------------------------|--------------------------------------|
| 1 Homestead | 7 Small Fruit Orchard |
| 2 Green Wall | 8 Live stock Corral |
| 3 Compost Piles | 9 Intensive Fodder Production |
| 4 Family Permagarden | 10 Field Crops |
| 5 Tree/Vegetable Nursery | 11 Large Fruit Orchard |
| 6 Market Permagarden | 12 Timber Plantation |

Forest Garden Component and Tree Data

Forest Garden Component	Approximate area (m ²) or length (m)	Species examples	Tree spacing	Number of Trees	Description
Green Wall	425 m	A. polycantha, Calliandra calothyrsus, L. leucocephala, L. trichandra, Dovyalis caffra,	15-30 cm between trees; 30-50cm between rows	Outer row: 1400 Center row: 2125 Inner row: 400	Surrounding the entire 1ha plot. Outer row of thorny fast-growing trees; middle row of MPFG/NFTs; inner row spaced further of mixed species of MPFG, fruit, and timber.
Alleys	500m – 1000m	Cajanus cajan, Calliandra calothyrsus, L. trichandra, vetiver, napier, etc.	.5-1m between trees; 10-20 m between rows	500-1500	Rows of MPFG/NFTs and grasses spanning a cross the site and segmenting sections.
Family Permagarden	100-200 m ²	Diverse, nutritious veg; small fruit; Moringa oleifera; perennial herbs	2-4m between small fruit (papaya, banana, moringa)	20-30	Families grow diverse vegetables, small fruits/trees, herbs, IPM plants, etc around/near their homes for easy access throughout the year
Tree and Vegetable nurseries	100 m ²	Majority of trees and vegetables requiring nursery production	N/A	NA	Area where tree and vegetable seedlings are raised for planting
Market Permagarden	500-1000 m ²	Selection of market-driven vegetables	NA	NA	Market vegetables are planted in a grid, segmented by alleys and surrounded by perennials for IPM
Small Fruit Orchard	300-600 m ²	Orange, lime, grenadine, moringa banana, papaya, tree tomato	2-4 m	50-100	Production of small fruits, primarily for market
Fodder Plot	600-1000 m ²	Chamaecytisus palmensis, Calliandra calothyrsus, Leucaena species, Cajanus cajan, napier grass, bracharia, etc.	3-4 m	60-125	Intensive production of a mix of livestock fodder (shrubs and grasses) for cut-and-carry. Livestock housed in on-site corral and kept from grazing the site.
Large Fruit Orchard	1000 – 1600 m ²	Mango, Avocado, Macadamia, Tamarind	6-9 m	15-45	Orchard for larger, high-value fruits and nuts
Timber Plantation	1500 – 2000 m ²	Albizia, Warburgia, Terminalia, Markhamia, Ficus, Trichila spp.	3-5 m	100-200	This plot should be in the least accessible area of the site; to be left to grow for a long period/indefinitely