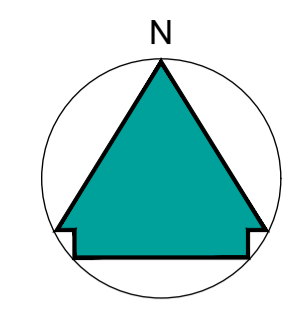


External Lighting – Ecology Requirements

Any external lighting to the proposed dwellings shall be designed to minimise ecological impact and avoid light spill towards retained hedgerows, trees and wild spaces, particularly to the north of the site. Lighting shall comply with the following:

No external light fittings shall face directly northwards towards the retained/wild habitat areas. External lighting shall be downward-facing only, with no upward or horizontal light spill. Light levels at habitat boundaries shall not exceed 2 lux. Security lighting, where essential, shall be controlled by motion sensors and fitted with timers set to a maximum activation period of 1 minute. No unnecessary external lighting shall be installed.



- External Lighting
- Stone wall
- Timber fence
- Hedge

General Maintenance, Management & Aftercare Specification
Establishment Period (Years 1–2)

Watering:
During first 2 growing seasons, water thoroughly once/twice weekly in dry weather (20–30 litres per shrub, 10–15 litres per smaller plants). Avoid light, frequent watering.

Weed Control:
Maintain 1m weed-free strip around hedgerows and shrub beds.
Hand weed or spot treat with approved herbicide (avoid overspray onto ornamentals).

Mulching:
Maintain 50mm mulch layer (bark/gravel as specified).
Keep clear of lavender, rosemary, and santolina crowns to prevent rot.

General Ongoing Maintenance (Years 3+)

Irrigation:
Only during prolonged droughts once established.

Fertilisation:
Apply slow-release balanced fertiliser in spring to all shrubs (except lavender/rosemary which prefer lean soils).

Mulching:
Replenish annually to maintain 50mm depth.

Monitoring:
Replace dead/diseased plants promptly in next planting season (Nov–Mar).

Pruning Specification (By Plant Group)
Hedgerow Species

Lavandula angustifolia & *Rosmarinus officinalis*:
Light trim annually after flowering (Aug–Sep). Do not cut into old wood.

Spiraea japonica:
Cut back hard after flowering (Jul–Aug) to maintain compact habit.

Roadside Shrub Strip
Viburnum tinus:
Light prune after flowering (spring).
Remove straggly shoots to maintain dense form.

Philadelphus coronarius:
Prune immediately after flowering (Jun–Jul), removing 1/3 of oldest stems.

Cornus alba 'Sibirica':
Coppice 1/3 of stems to 30cm in early spring to maintain bright winter colour.

Spiraea japonica 'Goldflame':
Light outback after flowering to maintain mound shape.

Rosa rugosa:
Thin out older stems in late winter to encourage renewal.
Remove suckers if spreading beyond design area.

Lavender & Santolina:
As above (annual trim, no hard cuts).

Front Garden Accents

Lavatera x clementii:
Cut back hard to 30–40cm each spring to maintain vigour and flowering.

Seasonal Management Calendar (Summary)

Spring (Mar–May):
Mulch top-up, fertilise, prune *Cornus* (coppice), *Lavatera* (hard cut), check tree ties.

Summer (Jun–Aug):
Watering regime, deadhead *Spiraea*, prune *Philadelphus* after flowering, light trim lavender/rosemary late summer.

Autumn (Sep–Nov):
Plant replacements, light prune *Viburnum/Cotoneaster*, check mulch depth.

Winter (Dec–Feb):
Rosa rugosa thinning, formative pruning as needed.

Replacement Policy

Any plant deaths >10% in any planting area within first 2 years must be replaced with matching species/cultivar in the next available planting season (Nov–Mar).

Nursery stock must match original specification (size, pot size, form).

Planting Mix for front gardens to dwellings

Back Layer (9 plants @ ~1m centres, against wall)
Viburnum tinus 'Eve Price' (x3) – evergreen, winter flowers/berries.
Philadelphus coronarius (x3) – fragrant summer flowers.
Cornus alba 'Sibirica' (x3) – red winter stems, seasonal foliage.

Middle Layer (12 plants @ 0.8m centres, central zone)
Spiraea japonica 'Goldflame' (x4) – pink flowers, golden foliage.
Rosa rugosa (x4) – tough, hips, scented flowers.

Front/Edge Layer (16 plants @ 0.5m centres, along paths/edges)
Lavandula angustifolia (x6) – evergreen, fragrant, pollinator-friendly.
Rosmarinus officinalis (x4) – aromatic, evergreen, links hedge.
Santolina chamaecyparissus (x6) – silver foliage, yellow button flowers.

Planting Density & Totals

Approx. 38 shrubs + 1 feature tree across 30m² (≈ 1.3 plants/m²).

Provides full coverage within 3 years, with room for shape and seasonal cut-back.

Specification

Shrubs: 3–5L pots, bushy, min. 30–50cm height.
Lavender, rosemary, santolina: 2L pots, min. 20cm spread.

Shrub Mix as per following

Back Row – tall / structural shrubs
Viburnum tinus 'Eve Price' – evergreen, winter flowers, berries x12
Crataegus monogyna – native hawthorn, spring blossom, autumn berries, wildlife value x12
Amelanchier lamarckii – blossom, berries, autumn colour x12

Middle Layer (mid-height / flowering) – ~36 plants (1 per m², staggered middle row)
Spiraea japonica 'Goldflame' – compact, pink flowers, golden foliage (x12)
Philadelphus coronarius (mock orange) – scented summer flowers (x12)
Cornus alba 'Sibirica' – red winter stems, white flowers in summer (x12)

Front Edge (low / groundcover) – ~36 plants (1 per m², road edge row)
Lavandula angustifolia – drought-tolerant, pollinator-friendly (x12)
Santolina chamaecyparissus (cotton lavender) – silver foliage, yellow button flowers (x12)
Rosa rugosa – tough, hips for wildlife, tolerant of roadside conditions (x12)

Approx. 3 shrubs per m², staggered triangular grid.
Taller shrubs (*Amelanchier*, *Viburnum*, *Cotoneaster*) at 1–1.2m centres, rear line.
Middle shrubs (*Spiraea*, *Philadelphus*, *Cornus*) at 0.8–1m centres, middle band.
Front/groundcover shrubs (*Lavender*, *Santolina*, *Rosa rugosa*) at 0.6m centres along road edge.

Amelanchier – 1.5–2m feathered, 10L.
Viburnum / *Cotoneaster* – 5L, 40–60cm, bushy, min. 3 breaks.
Spiraea / *Philadelphus* / *Cornus* – 3–5L, 30–50cm, bushy.
Lavender / *Santolina* / *Rosa rugosa* – 2L, 20–30cm spread.

New Hedgerow mix as per the following

Primary species (evergreen backbone):
Lavandula angustifolia (English Lavender) – 50%
Rosmarinus officinalis (Rosemary) – 30%
Accent/flowering shrubs:
Spiraea japonica – 20%

Hedgerow length: approx 28m

Planting style: Staggered double row for density.
Spacing: 0.35m between plants in row; rows offset by 0.3m.
Total plants required (28m) – 168 plants.

Breakdown by species:
Lavandula angustifolia (50%) → 84 plants
Rosmarinus officinalis (30%) → 50 plants
Spiraea japonica (20%) → 34 plants

NOTES

This drawing has been prepared specifically for the purpose of obtaining Planning and/or Building Regulations Approval. Its suitability for other purposes without additional supplementary details and specifications cannot be guaranteed.

All dimensions are to be checked on site, any discrepancies are to be reported to the designer before work commences. Use only figured dimensions.

All structural components shown are indicative only. Details / calculations of structural members are to be provided by the Structural Engineer.

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Revisions		
P01	Preliminary Issue	12.08.25
P02	BNG Amendments	18.08.25
P03	Trees amended	26.08.25
P04	Layout amended	05.10.25
P05	External lighting note added	13.05.26
Project:		
Residential Development		
at Lumb Lane Nurseries		
Lumb Lane		
Almoundbury		
for North Park Homes Ltd		
Landscaping Layout & Boundary Details		
Purpose of issue: PLANNING		
Drawn: DRH		
Date: July 2025		
Scales: 1:250 @ A1		
Drawing No.: 2524 - 0402 - P05		