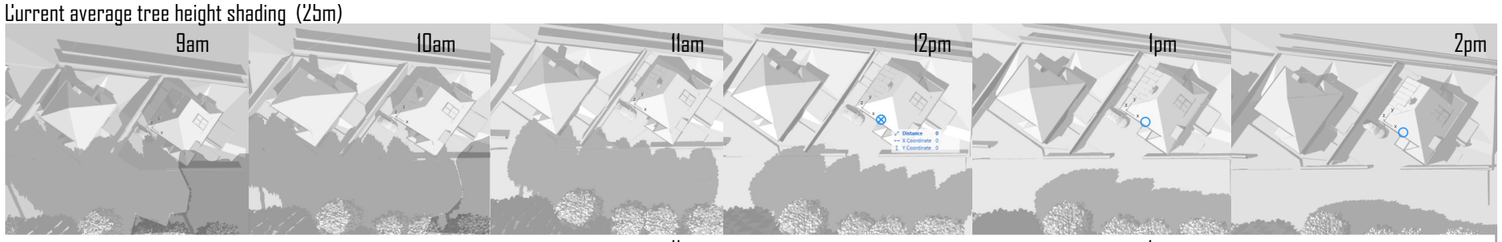
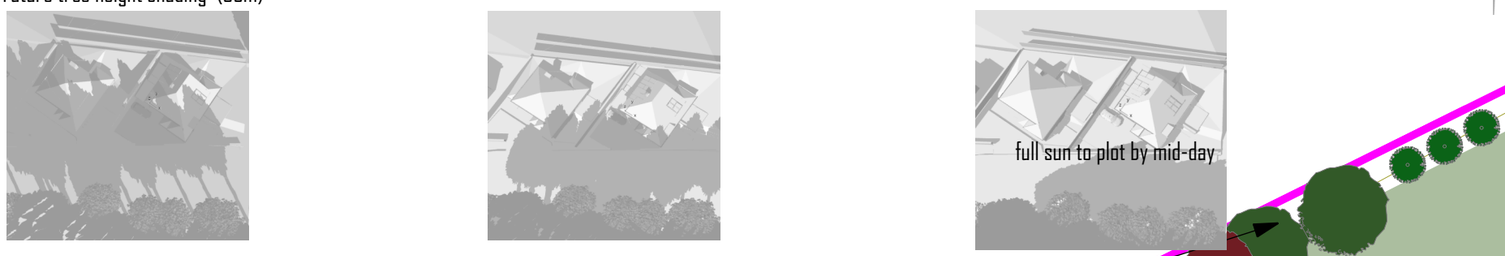
Current average tree height shading (25m)




Future tree height shading (35m)




Dry laid permeable stone patios
- Stone flags or setts
- 6–10 mm fine gravel joints
- 2–5 mm bedding grit
- Type 3 open graded sub base
- Geotextile separation layer
- Natural infiltration to ground

LINEAR PLANTING:
Provide linear planting runs of the identified native species, using a mix of saplings and occasional semi-mature specimens to create structural variation.
Set plants at an average spacing of 1 m to allow adequate root establishment and long-term canopy development.
Stagger spacing locally to avoid a regimented appearance and to promote naturalistic growth.

Acoustic timber fence panels

lawn

Mulched beds

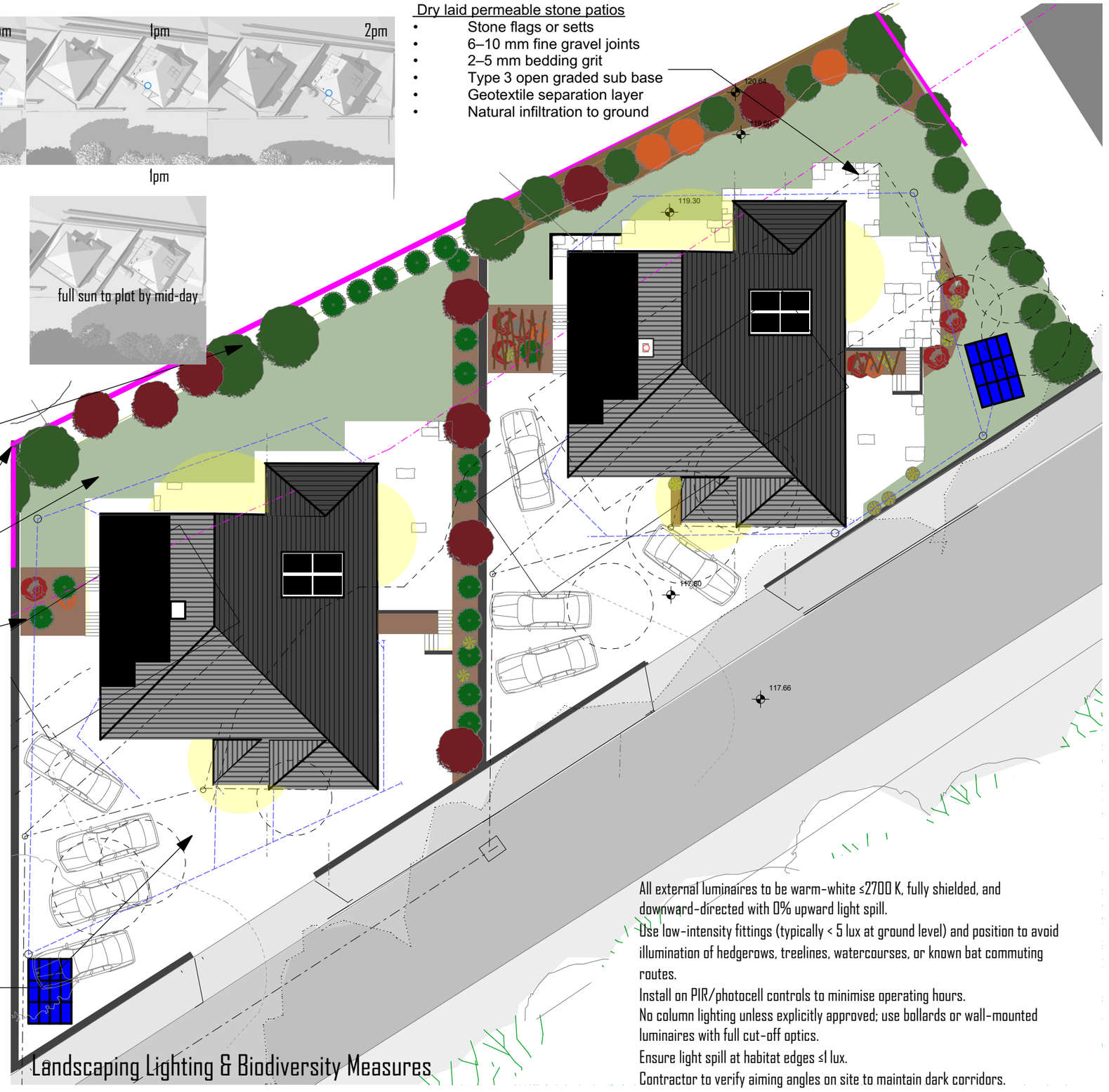
**Planting**

NATIVE PLANTING MIX:
Rowan (Sorbus aucuparia), Silver Birch (Betula pendula), Wild Cherry (Prunus avium), Field Maple (Acer campestre), Hazel (Corylus avellana), Wild Privet (Ligustrum vulgare), Dog Rose (Rosa canina), Cotoneaster (Cotoneaster spp., native species only).
Plant in mixed groups to create a species-rich native structure. Use bare-root or cell-grown stock during dormant season. Maintain 1 m weed-free circle around each plant. Protect with biodegradable guards. Water during establishment.

HEDGEROW MIX (NATIVE):
60% Hawthorn, 10% Hazel, 10% Field Maple, 10% Dog Rose, 10% Wild Privet, with occasional Rowan or Wild Cherry as standards.

BIODIVERSITY NET GAIN MEASURES:
Provide native shrub belt, native tree planting, and species-rich grassland to enhance site biodiversity.
Retain and protect existing vegetation and habitat features where possible.
External lighting to follow bat-friendly specification to maintain dark corridors.
All new planting to be native, locally appropriate species to support pollinators and wildlife.
Provide long-term management to ensure establishment, structural diversity, and habitat value.
Replace any failed planting in the next suitable season to maintain net-gain outcomes.

PERMEABLE MACADAM SURFACING:
40 mm porous asphalt surface course on 60 mm open-graded binder course.
Lay over 200 mm Type 3 permeable sub-base with non-woven geotextile separation layer.
Construct as full-infiltration SuDS system; maintain open-graded structure; prevent contamination with fines during installation.
Provide edge restraints to all sides.
Surface to remain fully permeable with infiltration to ground




All external luminaires to be warm-white ≤2700 K, fully shielded, and downward-directed with 0% upward light spill.
Use low-intensity fittings (typically < 5 lux at ground level) and position to avoid illumination of hedgerows, treelines, watercourses, or known bat commuting routes.
Install on PIR/photocell controls to minimise operating hours.
No column lighting unless explicitly approved; use bollards or wall-mounted luminaires with full cut-off optics.
Ensure light spill at habitat edges ≤1 lux.
Contractor to verify aiming angles on site to maintain dark corridors.

Landscaping Lighting & Biodiversity Measures

**Proposed Development Ruabon, Wrexham for Wyro Developments Ltd.**

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Drawing Scale 1:200

Dwg No P/2026/105/05

Revision