

LITTLE SEFTER FARM, PAGHAM

LANDSCAPE PLAN

Arable grass verge

Field grass verge margin will be increased to North of existing barn, to 80m length and approx 6m wide to benefit arable birds, invertebrates and mammals. 4 no. *Quercus robur* (oaks) will be planted within the field 1m from the hedge line to the North of existing site entrance and maintained as mature hedgerow trees.

Buffer Planting

New mixed native hedge and native trees planted to East of existing barn to provide improved buffer planting behind visibility splay line. For hedge detail refer to Schedule 1, trees Schedule 3.

Storm water pond

Proposed stormwater attenuation pond with outfall ditch to existing drainage ditch. For detail refer to engineer's schedule. *Phragmites australis* (Common Reed) to be planted into pond in Spring 2022 to create water vole habitats

Woodland creation

Crop zone reduced by approx 190 m² to substantially improve buffer planting to South and SE of proposed barn and to mitigate loss of existing 10 yr old tree planting. Where possible, existing trees to be re-planted in this area. Refer to Schedules 2 and 3 for details of new shrubs and trees.

Hedge planting

New stretch of approx 225m of new native hedge planting along field boundary South West of site. To provide biodiversity enhancement and mitigate for loss of scrub habitat as a result of works. For hedge detail refer to Schedule 1.

SCHEDULE 1 - Mixed Native Hedging

- Along SW existing Chain Link fence (refer to plan) - approx 225 m of mixed Native hedging
- Along East boundary alongside existing barn - approx 40 m of mixed Native hedging to improve buffer planting behind visibility splay line

Mixed Native hedging to include:
Hawthorn, Dog Rose, Hazel, Blackthorn, Field Maple, Bird Cherry, Spindle, Crab Apple, Holly

SCHEDULE 2 - Proposed new shrubs (See detail below)

Proposed New Shrubs

Code	Shrub	Quantity	Spacing (mm)
EUONE	<i>Euonymus europaeus</i>	30	2500
ROSAC	<i>Rosa canina</i>	18	1800
RUSC	<i>Ruscus aculeatus</i>	63	850
SALIX	<i>Salix cinerea</i>	37	850
ULEX	<i>Ulex europaeus</i>	34	1800

SCHEDULE 3 - Proposed new trees (See detail below)

Proposed New Trees

Code	Tree	Common name	Quantity	Spec (cm) *standards
AC	<i>Acer campestre</i>	- Field Maple	4	10-12
BP	<i>Betula pendula</i>	- Silver Birch	4	10-12
CA	<i>Coryllus avellana</i>	- Hazel	4	10-12
CM	<i>Crataegus monogyna</i>	- Hawthorn	7	10-12
IA	<i>Ilex aquifolium</i>	- Holly	5	12-14
PA	<i>Prunus avium</i>	- Wild Cherry	1	10-12
PS	<i>Prunus spinosa</i>	- Blackthorn	2	10-12
QR	<i>Quercus robur</i>	- Oak	4	12-14
SA	<i>Sorbus aucuparia</i>	- Rowan	10	10-12
SN	<i>Sambucus nigra</i>	- Elder	5	10-12

Notes

- Native trees to include: *Acer campestre*, *Betula pendula*, *Coryllus avellana*, *Crataegus monogyna*, *Ilex aquifolium*, *Prunus avium*, *Prunus spinosa*, *Quercus robur*, *Sorbus aucuparia*, *Sambucus nigra*, planted as 10-12 cm / 12-14cm girth standard specimens, bare root or pot, depending on planting season. Protected with deer proof guards to H 1.8m. *Quercus robur* to be planted 1m offset from the hedge and protected with min 1.8m deer guards.
- Mixed native hedge to be planted in double staggered rows at 5 plants per metre, as 120-150 cm H bare root stock. Protected with 60 - 75cm spirals.
- Existing hedging to receive comprehensive programme of maintenance, with dead or decaying vegetation removed as necessary.
- Any shrubs falling within construction zone to be removed and re-planted in newly created woodland areas where possible.
- Common Reed (*Phragmites australis*) to be cut as stems from existing plants within the rife and planted into the attenuation pond, at least 1.5m from the pipe inlet and outlet structures to sustain any water vole habitats. Refer to GPM Ecology LEMP report summary dated 12th October 2021.
- Maintenance programme to be implemented (ongoing), as follows:
 - Mixed native hedgerow maintained to a height of 1.5m. Clipped twice a year, once in June and again in late August.
 - Shrubs planting - Shrubs supplied as 5-10L as detailed. Plants to be kept weed free and mulched to assist maintenance and plant health. Water plants when newly planted and as required in May - August. Weed control outside of bird breeding season October - March. Remove all invasive species. Organic fertilizer only to be used annually in Spring and again in Autumn as required. New plantings as required.
 - Grass verge - cut once per year between August and September and remove cuttings. Repair eroded areas May - September as required: Rotavate to 150 mm, seed with BSH mix 19. Remove litter and debris.
 - Trees - Inspect trees March - September annually. Selective felling of declining specimens October - February. Selective thinning of plantings and pruning/ repair of wounds October - February.
 - Attenuation pond to be inspected at intervals. 2-3m wayleave around pond to allow pond maintenance. Remove any vegetation within 1m from inlet and outlet structures. A maintenance and monitoring schedule for water voles to be carried out in May 2022 and for a further 3 years. Refer to GPM Ecology LEMP report summary dated 12th October 2021.



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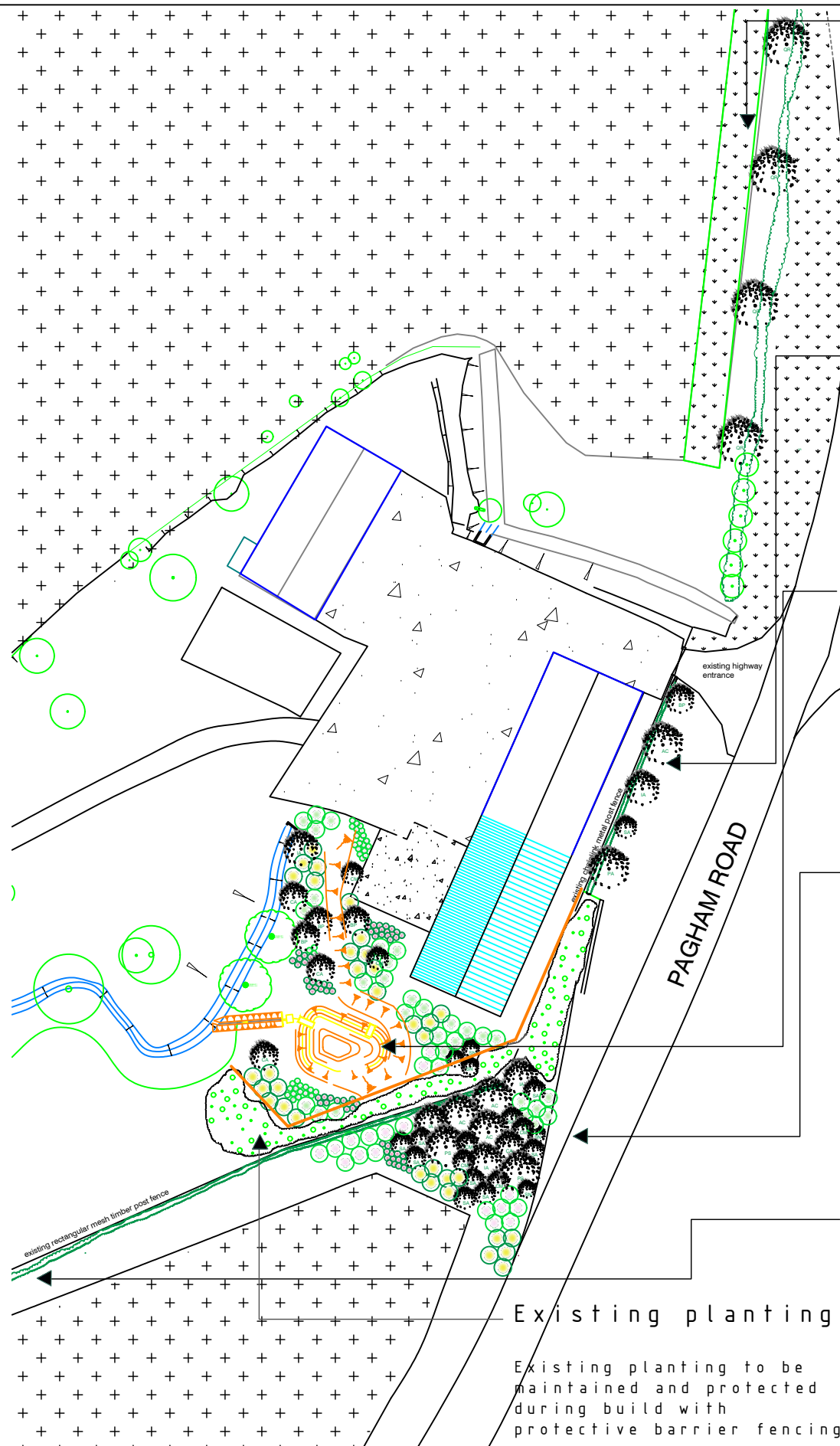
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DRAWING TITLE:	LANDSCAPE AND ECOLOGICAL MAINTENANCE PLAN REF P/38/21/PL
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SCALE:	1:1000 @A3	DATE:	27.09.21	COMPLETION DATE:	
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DRAWING NO.	SEFT.LEMP.001 Rev 1
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ALL MEASUREMENTS IN MM. ALL MEASUREMENTS TO BE CHECKED ON SITE AND NOT SCALED FROM PLAN. ALL DISCREPANCIES TO BE NOTIFIED TO DESIGNER PRIOR TO WORKS COMMENCING.
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Key

Existing Grass verge	Existing Concrete Yard
Grassy field margin increased by approx 80 m x 6m	New Concrete Yard
New 225m length of hedging to SW planted with native hedge mix - refer to Schedule 1	Existing structures (in Blue)
Improved buffer planting to East of existing structure - planted with mixed native hedging and native trees - refer to Schedules 1 and 3	New structures (in Red)
Woodland creation with mixed native trees and shrubs. Refer to Schedules 2 and 3 and see Appendix 1	Stormwater attenuation pond
Woodland and shrub protective barrier fencing	