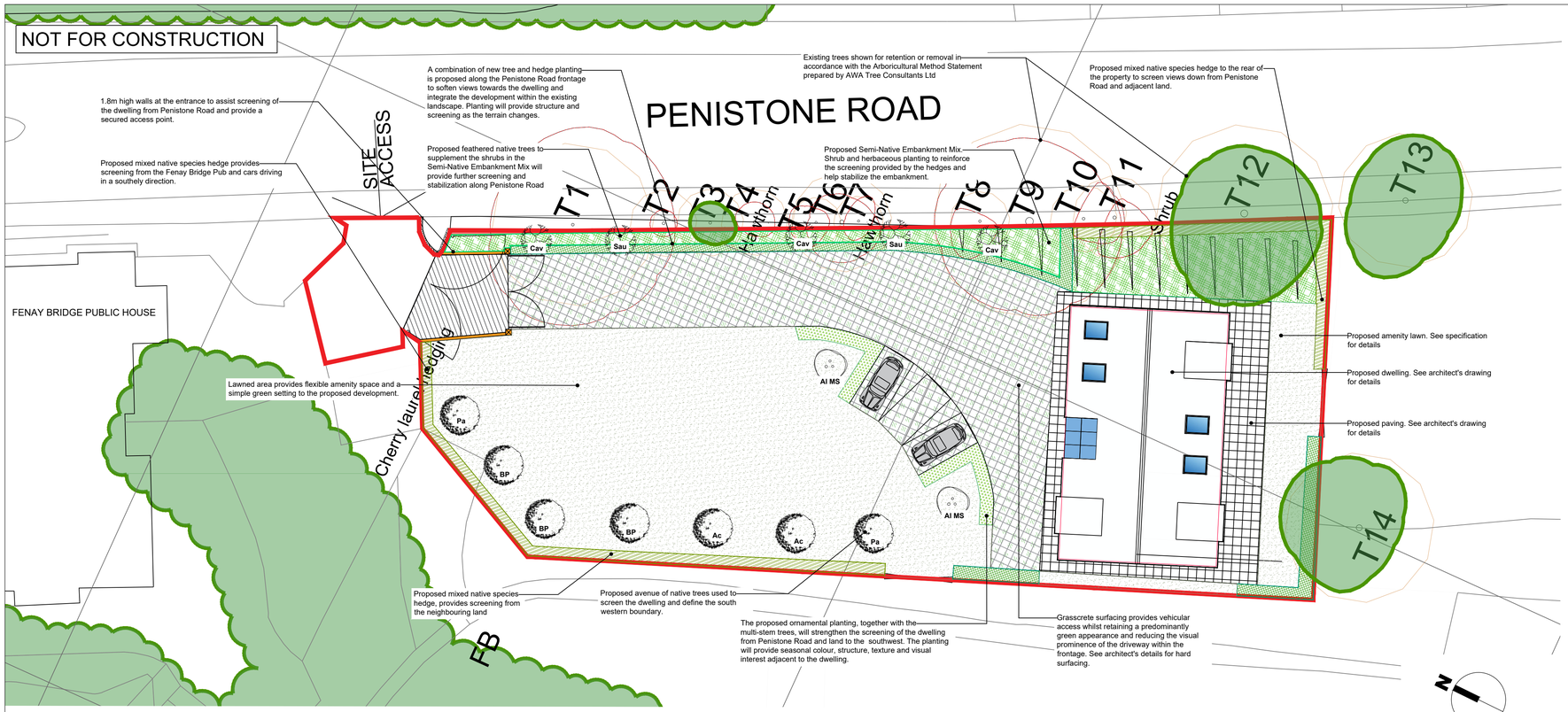
NOT FOR CONSTRUCTION



LANDSCAPE KEY

SOFT LANDSCAPE
(Planting: refer to planting schedule & Specification for planting details)

- Existing trees, tree groups & vegetation to be retained: Refer to arboricultural report & associated drawings for details
- Existing trees, tree groups and vegetation to be removed to facilitate development. Refer to arboricultural report & associated drawings for details
- Proposed Tree — See specification for more details
- Proposed Feathered Tree — See specification for more details
- Proposed Multi-stemTree — See specification for more details
- Proposed Native Mixed Species Hedge — See specification for more details
- Proposed Single Species Hedge — See specification for more details
- Semi-Native Embankment Mix: A mix of herbaceous and shrub planting — See specification for more details
- Proposed Garden Mix: A mix of grasses, herbaceous and shrub planting — See specification for more details
- Proposed Grass Seed/Turf — See specification for more details

HARD LANDSCAPE
(Planting: refer to planting schedule & Specification for planting details)

- Proposed Private Drive — *See Architects drawing for more details and shedules for grasscrete seed mix*
- Proposed Paving at Site Access — *See Architects drawing for more details*
- Proposed Paving — *See Architects drawing for more details*
- Existing Post & Rail Fence — *Refer 2025-160-01D conditions by NYPAS for further details*
- Existing Retaining Wall — *Refer 2025-160-01D conditions by NYPAS for further details*

PLANTING SCHEDULES

Trees:

To be planted as per specification.

TREES					
Total	Species	Height cm	Girth cm	Form	Spec.
3	Amelanchier lamarkii (Al MS)	300-350	—	Multi Stem	RB, min 3 stems/breaks
2	Acer campestre (Ac)	min 450	14-16	EHS	RB, clear stem min 200cm
3	Betula pendula (Bp)	min 450	14-16	EHS	RB, clear stem min 200cm
2	Prunus avium (Pa)	min 450	14-16	EHS	RB, clear stem min 200cm
2	Corylus avellana (Cav)	min 100	—	Feathered	Feathered Bare Root/bagged
3	Sorbus aucuparia (Sau)	min 100	—	Feathered	Feathered Bare Root/bagged
15					

Hedges:

To be planted as per specification. Biodegradable plastic free tubes and cane supports to be provided to each plant, where required. All hedges to be mulched in accordance with specification.

Approx length = 74m

MIXED SPECIES NATIVE HEDGE				
Species	Size cm	Spec	% of mix	Notes
Acer campestre	40-60	BR	15	5 plants per linear metre in a double staggered row
Corylus avellana	60-80	BR	25	
Ilex aquifolium	60-80	BR	15	
Prunus spinosa	60-80	BR	30	
Rosa canina	40-60	BR	5	
Viburnum opulus	60-80	BR	10	

Species Rich Hedgerow:

Hedges are to be planted into 500mm wide x 450mm deep trenches. To be planted in a double staggered row, 300-350mm wide @ 5 plantes per linear metre. Species are to be planted randomly in species groups of 7-30. Hedges are to be mulched after planting with forest mulch to 50mm.

Approx length = 69m

SINGLE SPECIES NATIVE HEDGE			
Species	Size cm	Spec	Notes
Fagus sylvatica	120-150	BR	5 per linear m in a single row.

Single Species Hedgerow:

Hedging plants to be planted into prepared trenches @ 600mm wide by 400mm deep. Trenches are to be backfilled with a 3:1 mix of multi-purpose topsoil to BS3882:2007 and proprietary planting compost with added slow release fertiliser. Hedge lines shall be mulched after planting with a uniform depth of 50mm depth forest mulch.

NOTES:

Trees & Services

- Where paths and hard surfacing is proposed within close proximity to trees all construction is to be in accordance with BS 5837: 2012
- Root barriers / root protection measures are to be incorporated where required in accordance with guidelines where existing and proposed trees and vegetation are within 2m of proposed building or trees are in close proximity to services (details to be agreed).
- Tree and shrub planting proposed within drainage easements to be approved by local water authority. Planting to incorporate root protection measures around services or planting pits to ensure the sewer system is resistant to tree root ingress in accordance with the current Code for Design.
- Contractor shall comply with NJUG publication, volume 4 'Guidelines For The Planning, Installation And Maintenance Of Utility Services In Proximity To Trees' together with BS 5837:2012 Trees in Relation to Construction. Where conflict arises refer to the British Standard.

Lawn:

All grass seeding/turf laying is to be carried out in accordance with specification or similar approved by landscape architect.

Approx area = 575m²

LAWN
Medalllion® Lawn Seed by Rolawn
Sowing rate @ 35g/m²
Amenity PRG, Slender Creeping Red Fescue, Strong Creeping Red Fescue, Browntop Bent, Amenity PRG

AMENITY LAWN TURF
Medallion® Lawn Turf
High-quality, multi-purpose ryegrass/fescue natural garden turf for a healthy, green and hardwearing lawn.

Approx area = 372m²

GRASSCRETE SEED MIX
Utility Grass Seed Mix
Sowing rate @ 35g/m²
50% Perennial Ryegrass, 20% Slender Creeping Fescue, 25% Strong Creeping Red Fescue, 5%Browntop Bent,

Ornamental planting :

A mix of grasses, herbaceous and shrub planting. Species are to be selected from the schedule below. The schedule provides an indicative but not exhaustive list. Plant in naturalistic style, typically in groups of 3, 5, 7 & 9. Quantities to be based on the below densities and assume an approx' even % of each species listed.

Approx area = 21m²

PRIVATE GARDEN ORNAMENTAL PLANTING MIX			
Species	Pot Size	Spec.	Density
Aster 'Little Carlow'	3L	C	5/m²
Bergenia 'Silberlicht'	3L	C	5/m²
Choisya 'Aztec Pearl'	5L	C	3/m²
Escallonia 'Apple Blossom'	5L	C	3/m²
Festuca glauca 'Elijah Blue'	3L	C	5/m²
Hebe 'Green Globe'	3L	C	5/m²
Lavandula angustifolia 'Hidcote'	3L	C	5/m²
Sesleria autumnalis	3L	C	7/m²
Stipa tenuissima	3L	C	5/m²
Weigela florida 'Variegata'	3L	C	3/m²

Native Shrub Planting:

Approx area = 136m²

NATIVE SPECIES EMBANKMENT MIX				
Species	Pot Size	Size in cm	Spec.	% of Mix
Cornus sanguinea	3L	40-60	C	15.00
Corylus avellana	3L	50-60	C	15.00
Ilex aquifolium	3L	60-80	C	15.00
Ligustrum vulgare	3L	30-50	C	10.00
Prunus spinosa	3L	30-50	C	20.00
Ruscus aculeatus	3L	20-30	C	10.0
Sambucus nigra	3L	60-80	C	15.00

To be planted as per specification in staggered rows, at 0.5m² centres. Planted in groups 3, 5 or 7 to ensure an even distribution of species throughout the specified area. Taller species to be planted to the rear boundaries or in the centre of an area with smaller species to the edges, where there is no boundary backdrop. Biodegradable plastic free tubes and supports to be provided to each plant, where required.

LANDSCAPE SPECIFICATION

The contractor is responsible to ensure that no products or practices are to be used that do not comply with relevant British Standards, Codes of Practice and Construction Regulations. Contractor to be fully satisfied with locations and off sets of services prior to excavations.

Site clearance generally: Where necessary remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil. Remove stones exceeding 75 mm. Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

Retain and protect trees and vegetation in accordance with BS 5837 where necessary. Grub up any large roots and dispose of without undue disturbance of soil and adjacent areas. In order to comply with UK legislation in regard to the Wildlife and Countryside Act 1981 (as amended), any tree or vegetation removal and/or management must take place outside of the bird nesting season (March to September inclusive). Where this cannot be achieved, nesting bird checks must be undertaken by a suitably qualified ecologist within 24 hours of the works.

Works within the root protection area (RPA):There shall be no areas of storage, trafficking of machinery, cultivation, ripping or mechanical rotivation, or importing of top soil, within the root protection area (RPA) of the existing trees to be retained. Where paths and hard surfacing is proposed within the retained tree RPA's, a No Dig methodology is to be adopted. Underground reinforcement, such as Cell Web (or similar approved) to be utilised in these locations. No trenches shall be dug within the RPA of the existing trees. New hedging plants within the RPA of the existing trees shall be notch planted. All of the above must be in accordance with BS 5837.

SOIL
Site preparation: Where required all existing topsoil and subsoil shall be stripped and stored separately on site. Heaps must not exceed 3m in height and should be used within 12 months in accordance with BS 4425 (Code of practice for general landscape operations).

Soil Sampling - Existing topsoil and inert sub soils, shall be analysed in accordance with BS 3882 to determine available nutrients, texture, organic matter content and pH. Where require, existing soils are to be improved in accordance with BS 3882:2015
Cultivation - Flail existing ruderal vegetation to ground level and remove arisings prior to cultivation. All areas to receive final layers of topsoil are to be de-compacted prior to spreading. Earth works vehicles to be small scale and tracked (loose-tipping) to minimise compaction, however chosen method for decompaction will be site specific dependant on size and soil conditions. Additional care must be taken as to not damage soil structure. All objects and stones over 75mm brought to the surface during decompaction are to be removed from the prepared surface layer. If existing subsoil horizon is found to consist of heavy clay, all proposed seeded areas to be tine ripped to 200mm depth at 300mm centres to increase drainage. Areas to be seeded to be chain harrowed to a fine tilth and lightly rolled to provide firm seed bed. Remove all stones over 30mm dia in any direction. Imported soil material: Import as necessary to make up any deficiency of topsoil and/or subsoil existing on site to complete the work and mitigate deficiencies. All imported material must conform with industry standards BS 8601 (Subsoil), BS 3882 Topsoil) and CLEA limits on heavy metals. Topsoil to be General purpose, 10mm screened and locally sourced (unless otherwise stated)

Soil build up: Existing topsoil and subsoil to be retained and reused on site within the landscape scheme where possible. Prior to spreading all topsoil to be screened to remove large stones and other deleterious materials, such as plant roots, leaves and clay. Topsoil to be loose-tipped and spread over de-compacted subsoil/receiving area. The total minimum rooting depth for planting, after settlement, should be: Grass 450mm; Planted areas 600mm; Trees 900mm. Topsoil depths for these areas should not normally exceed 300mm with the following minimum depths for each area: Grass 150mm; Planted areas 300mm; Trees 300mm. Meadow & wildflower seeding to be sown directly onto prepared subsoil.

Finished level of topsoil after settlement: Above adjoining paving or kerbs: 25 mm; Below dpc of adjoining buildings: Not less than 150 mm; Shrub areas: Higher than adjoining grass areas by 50 mm; Within root spread of existing trees: Unchanged; Adjoining soil areas: Marry in; Thickness of turf or mulch: Included.)

ADDITIVES
Compost to tree/shrub pits: To be as per BS PAS 100: well rotted sterilised spent mushroom compost max. pH 6.7 or Target Treestart compost. The contractor shall provide a Certificate of Analysis to show that the material being supplied complies with the above criteria. Incorporate spent mushroom compost or equivalent approved peat free compost into tree and planting pits at a rate of 3 parts topsoil to 1 part compost, thoroughly mixed together.

Fertiliser to ornamental shrub beds - Apply slow release fertiliser, Scotts 'Ennag' 4.19.10 NPK or equivalent approved at a rate of 50 gms/sq. metre over topsoil surface and fork into top 225mm spit.

PLANTING
Generally: Minimise trafficking of graded slopes. All plants to be preferably planted between Nov. - March. Nursery stock trees and shrubs to be in accordance with BS 3936 and BS 8545, to be supplied and planted in accordance with British Standards and the Horticultural Association's Plant Handling Guide. Container grown shrubs to be thoroughly watered before planting; trees and bare root shrubs watered after planting.

Times of year for planting: Deciduous Trees, hedges and shrubs: Late October to late March. Evergreen hedges and shrubs: September/ October or April/ May. Container grown plants: At any time if ground and weather conditions are favourable. Watering and weed control to be provided as necessary.

Shrub/Hedge planting pits: Timing: Excavate 1-2 days (maximum) before planting. Pit sizes: Wide enough to accommodate roots/toughs when fully spread and 75 mm deeper than root system. Pit bottom improvement Break up to a depth of 150 mm, incorporating 25g of slow-release fertiliser per planting pit. Where existing planting and roots are present plants are to be notch planted to minimise disruption/root damage. Backfilling material: Reuse excavated material. Watering: Immediately after planting, thoroughly and without damaging or displacing plants or soil. Firming: Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.

Tree pit sizes: Standard trees excavate a tree pit 1.2m x 1.2m x 900mm. Break up sides and bottom of pits to a depth of 100mm to ensure free drainage.Tree pit treatment: Soil ameliorant worked into pit bottoms. Pit sides to be scarified and backfilling material to be in accordance with topsoil and subsoil specification. Drainage Layer: Provide 200mm layer washed, clean gravel to base of pits to aid drainage (tree pit to be actively drained if poor draining soil or clay discovered by contractor).

Tree Accessories: Typically trees in soft landscape to be staked unless stated otherwise by the Landscape Architect. Underground guying is recommended for semi mature trees or trees within hard landscape and in public areas. Trees to be staked using 1m long x 75mm dia. round timber stakes (size of stakes to be adjusted to suit size of tree). Cross member to be installed 75mm x 25mm (larger trees will need large cross members). Locate proprietary Hessian ties on cross member to secure tree and prevent rubbing. Short stakes (<1.0m high) with biodegradable Hessian ties are recommended to encourage wind tolerance and prevent rubbing. Tree pit accessories by Green Tech or similar: Underground guying and perforated plastic irrigation/ ventilation pipe to landscape architects approval.

Root Barriers: To be used wherever the installed rootball will be within 2m of a building foundation or within proximity to underground utilities (distance at which root barrier is required is as per utility providers standards and should be confirmed prior to installation). Root barrier by Green Tech or similar to be installed vertically in accordance with supplier recommendations.

Protective fencing/guards: Newly planted areas or individual plants are to include rabbit/deer proof fencing. Either perimeter mesh fencing or individual biodegradable plastic free spiral guards/shelters/tubes are to be installed around all planting where required. Where areas are fenced, mesh to be 1m min above ground and buried 300mm below ground.

Mulching: Approved medium course chipped tree bark composted for at least 4 weeks. Particle size 25-75mm dia, max. 20% fines, pests and disease free and free of Methyl Bromide contamination. Clear any weeds, ensure soil is thoroughly moistened prior to applying mulch. All planting areas inc. trees, hedges and planting beds should receive an even 75mm depth of bark mulch, adjoining edge of mulch to be 15mm min. below adjacent hardstanding to avoid spillage. 50mm depth of mulch is only suitable for higher quality ornamental bark (<5% fines, 5-35mm size etc.). All bark should be FSC certified. Option to use biodegradable mulch mats to control moisture, soil temperature, erosion and weeds. All trees within grass are to have a 1.5m diameter mulch circle.

Seeding and making good existing grass areas: Steep embankments to be hydroseeded where required. After cultivating, grading and fertilizing prepare seed bed to fine, firm tilth with good crumb structure (Depth: 25 mm). Rake to a true, even surface, friable and lightly firmed but not over compacted. Remove surface stones/earth clods. Extend cultivation into existing adjacent amenity grassed areas sufficient to ensure full marrying in of levels where required. Evenly distribute seeds at an application rate of 35g/m² or as per supplier recommendations. Establish good seed contact with the root zone to promote healthy, consistent growth. Lightly harrow or rake to cover seed. Thoroughly water completed seeding until germination as necessary to keep the surface damp and soil most but not water logged.

Cutting In: Where cutting planting beds into existing grassed areas, the surrounding grass shall be protected and made good as necessary. These areas to be made good by preparing and re-seeding area. Seed mixes: John Chambers Lawn/Meadow seed or similar approved.

Turf Preparation - Lay turf with minimum possible delay after lifting. If delay occurs, lay turf out on topsoil and keep moist. Do not lift turf in frosty weather or if ground waterlogged. Arrange phased delivery timescales to avoid need for excessive stacking. Stacking height 1m (max). Do not use dried out or deteriorated turf. After cultivating, grading and fertilizing prepare seed bed to fine, firm tilth with good crumb structure (Depth: 25 mm). Rake to a true, even surface, friable and lightly firmed but not over compacted. Remove surface stones/earth clods. Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels.

Turf Implementation - Turf to be laid in Spring and summer within 18 hours of delivery; and Autumn and winter within 24 hours of delivery. Do not lay turf when persistent cold or drying winds are likely to occur or soil is frost bound, waterlogged or excessively dry. Planks to be laid on previously laid turf. Do not walk on prepared bed or newly laid turf. Turf laid along contours with staggered, close butted joints. Do not stretch turf. At the edges, whole turfs to overlap line, trimmed to a true line. Remove high spots and fill hollows with fine soil to adjust levels Lightly and evenly firm as laying proceeds to ensure full contact with substrate. Do not use rollers. Dress turf with Sharp sand at a rate of 2kg/m2 and brushed in to completely fill joints. Thoroughly water completed turf immediately after laying. Check that water has penetrated into the soil below. Use hardy low maintenance amenity turf suitable for use in shade (To BS 3969).

Seed Preparation and Implementation for Wildflower Areas: No addition of nutrient to soil required. Method to suit soil type, proposed usage, location and weather conditions during and after sowing. A friable firm seed bed required, weed free, alleviation of compaction to a depth of 100-200mm, sowed on a firm and fine tilth. Seed bed preparation to be conducted in dry conditions, close to the time of sowing Remove surface stones/earth clods. Marry in with adjacent levels where required. Evenly distribute seeds at the manufacturers recommended application rate, Establish good seed contact with the root zone to promote healthy, consistent growth. Lightly harrow or rake to cover seed. Thoroughly water completed seeding.

MAINTENANCE
1 year Defects Liability Period applies. All dead or failing plants to be replaced the following growing season. Maintain a weedfree bare earth area 600mm dia minimum around individual trees and shrubs. Herbicide shall only be used where necessary and if use is required it should be a non-residual translocated herbicide and spot applied/applied with spray guard. Application and use to be in accordance with EA guidance. Prior to spraying ensure all spirals are tight to ground level and leaves within spray range are fully enclosed. Arisings: Remove. Trim all edges. Weed control: Substantially free of broad leaved weeds. Method: Application of a suitable selective herbicide. Remove any stones 25 mm in any dimension brought to the surface. Watering: To ensure establishment.

Any trees or plants which die, are removed or become seriously diseased within a period of 5 years from planting shall be replaced with others of similar size and species unless otherwise agreed in writing by the Local Planning Authority.

NOTE: Works to be carried out in accordance with the most up to date and current British Standards referenced within this specification.

NOTES:

1. All dimensions to be confirmed on site.
2. Based on layout drawing 2025 -160-01D Conditions
3. Refer to engineer's drawing for site levels and drainage.
4. All foundations and build ups to engineer's specification.
5. Contractor to be fully satisfied with locations of services prior to excavations.
6. All existing trees to be protected to BS 5837.

Native Hedge Maintenance Notes:

For biodiversity-rich native hedgerows, an alternate-year cutting regime is generally preferred over annual trimming, as it allows flowering and fruiting species to provide nectar, pollen and berries for wildlife while maintaining a dense hedge structure.

Years 1-3: Establishment Period

Watering
Water during prolonged dry periods between April and September.
Apply approximately 10-20 litres per linear metre weekly during drought conditions.

Weed Control
Maintain a weed-free strip extending 500 mm from either side of the hedge.
Inspect quarterly during the growing season.
Weed control may be undertaken by hand weeding or mulching.

Mulching
Maintain organic mulch to a depth of 50-75 mm.
Keep mulch clear of plant stems and replenish annually as necessary.

Replacement Planting
Inspect in spring and autumn.
Replace dead, diseased or damaged plants during the following planting season (November to March).

Formative Pruning (Years 1-5)

Year 1
Lightly trim side growth after the first growing season to encourage branching.
Retain the leading shoot to promote height development.

Years 2-3
Light trimming of side growth during late winter.
Maintain a wider base than top.

Years 4-5
Continue formative pruning to achieve the required height and density.
Remove crossing, weak or damaged branches.
Long-Term Management (Year 5 Onwards)

Alternate-Year Pruning Regime
The hedge shall be maintained on a two-year rotational cutting cycle:

Year A
Trim one side and the top of the hedge during January or February.
Maintain a 'battered' profile.

Year B
No routine trimming.
Allow flowering and berry production on second-year growth.
Remove only damaged, diseased or obstructive branches as required.
This cycle shall then be repeated throughout the management period.

This approach maintains a consistent supply of flowers, nuts and berries while retaining screening and landscape function.

Scale 1:200
0 2 5 10 15 20

REV	DESCRIPTION	DATE	ATHR	CHK	APP
P03	AMENDED TO LPA COMMENTS	30/10/26	NS	LW	LW
P02	FOR PLANNING	28/09/26	NS	LW	LW
P01	DRAFT FOR COORDINATION	25/09/26	JMo	NS	LW

PROJECT TITLE

Penistone Road Huddersfield

DRAWING TITLE

Outline Landscape Masterplan & Specification

CLIENT

NYP ARCHITECTURE Ltd

PWP DESIGN

PWP Design Ltd
Unit 1, Whiteley Court
Pool Road
Otley
LS21 1FR

0113 4572508

info@pwpdesign.co.uk

© copyright reserved

AUTHOR	CHECKER	APPROVER	SCALE	A1 SHEET SIZE
JMo	NS	LW	1:200	

STATUS: **FOR PLANNING** REVISION: **P03**

DRAWING NUMBER: **PWP-1047-DR-100**