

LOCATION PLAN 1:5000

LANDSCAPE PROPOSALS

PROTECTION AND RETENTION OF EXISTING TREES AND HEDGEROW VEGETATION AND OTHER FEATURES

- All existing trees and hedgerows are to be retained, and entrances/ exits unless indicated otherwise;
 - During construction and management phases of the project, a minimum of 10m exclusion zone from existing ditches, hedgerows, and shrub vegetation to avoid any root compaction to existing shrubs and hedges during construction and operation in accordance with Section 6.2 of SS5857/2012; the minimum 10m distance between retained trees/hedgerows and any excavation or track construction
 - The exclusion zone is to include the canopy of all retained mature trees with a diameter greater than 10cm at breast height, and to be disrupted and to avoid any root compaction to existing trees in accordance with Section 7 of SS5857/2012. In areas where this is not possible, a no-girder cultural control will be implemented to ensure root damage is minimised. No changes to ground levels are proposed within RPAs.
 - Existing boundary hedgerows and trees shall be protected and delineated with coloured net and white tape so that they are always clearly visible during the construction and management phases of the project and shall be maintained for the full operation period.
 - The existing soil levels at the base of retained vegetation will remain unaltered, and the chain of vegetation will be retained within RPAs.
 - The new gravel access tracks (including any excavation or track during construction) will be located a minimum of 1m away from existing hedgerows and trees in areas which will not impact the canopy or protection zones of any existing trees, shrubs or hedgerow vegetation.
 - During the construction and management phases of the project, no remaining vehicle lanes or subsoil lanes will be left on the site at night, and no storage of materials or machinery, parking of vehicles, deposit of excavations of soil or rubble, lighting of fires or disposal of liquids shall take place in any protected areas.
 - All operations carrying out the works will be briefed prior to the works commencing on the locations, status and protection requirements for all retained vegetation and other features and be made aware of the current status of the site and pollution protection measures.
 - Equipment will be made available should accidental spillages occur.
 - All new grass seedlings to take place in March-May/August-September, no later than the first seedling season following the completion of the works onto a prepared weed-free seed bed.
 - Works removed through repeated cultivation or a suitable herbicide.
 - Ploughing is recommended to bury surface vegetation, followed by harrowing to produce a medium till and rolling to produce a firm surface. The seed to be sown broadcast, not drilled, and the seed should be sown in a 10m wide running out, the seed should be divided into two or more parts and sown in overlapping sections. Seed should be firm in with a roller once sown.
 - In areas which will be covered by the new grass seedlings, the new grass Meadow MixtM EM3 by Emorsgate Seeds will be sown @42mg/ to promote biodiversity, following completion of construction activities, to create a continuous sward.
 - In the rough grassland/biodiversity corridors (between the security fence and site boundary) a Tussock Grass Mixture (EM10) by Emorsgate will be sown @42mg/ to promote biodiversity.
 - Both grass types will be sown to take biodiversity gain by providing a natural source for a large variety of pollinators including bumblebees and butterflies and to provide shelter and food sources for a wide range of species, including invertebrates, small mammals, song birds, hares, wintering birds, badgers, amphibians, reptiles and bats.

NEW SPECIES-RICH NATIVE HEDGEROW AND HEDGEROW INFILL PLANTING

General

- All new planting shall be carried out not later than the first planting season following the completion of the works and before the first clearing the season following the completion of the works.
 - Plant material to conform to the National Plant Specification and comply with the requirements of British Standards 3836 Specification for Nursery Stock, and BS 5831 Part 1. All hedge material shall be positioned in accordance with Table A.1 of BS5857:2012 Terms in Relation to Design, Establishment and Landscaping (Recommendations).
 - Plant handling shall be in accordance with HLA Handling and Demolition Landscaping Plants, Part 1-11; and
 - All planting to comply with the guidelines for setting out as detailed in this general note.
- It will be placed at different aspects to create varying levels of temperature, humidity and shade, and to provide a range of habitats for the following:
- Wildlife refuge areas (habitat plants) will be installed in suitable places in the existing hedgerows to the east and west.
 - To prevent badgers or other mammals become trapped in excavations, any excavations shall be covered with a heavy-duty mesh. No open overnight will be used. The mesh of escape should be an animal enter. This could be achieved through the construction of a graded concrete or stone wall. The mesh shall be attached to a board such as a scaffold board at an angle of 45° or, similar, which will allow the animals to exit of their own accord. Any trenches or pits should be fenced each morning to ensure no animals have become trapped overnight. In the event that a trapped animal is encountered and the insertion

Setting out

- The location of any overhead or underground services to be checked on site by the contractor prior to any works being carried out.
- New hedgerows and existing hedgerows (with all trees) to be planted at 300mm centres in double staggered row at 7 plants per 1m.
- Hedgerow in-fill shrubs (in shorter gaps) to be planted at 500mm centres in the mature vegetation bordering and within the site, and
- New hedgerow and existing hedgerows (with all trees) to be planted in same species groups of 5-9 in number.

New species-rich native hedgerow and hedgerow in-fill planting

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| <ul style="list-style-type: none"> • All bare root transplants to be planted without the addition of slow-release fertilizer as directed by the manufacturer's instructions. • All container-grown shrubs to be pit-planted with the addition of slow-release fertilizer as directed by the manufacturer's instructions. • Proprietary root tip to be applied to all bare root transplants at an offsetting angle at nursery. • All transplants to be protected with bio-degradable shrub guards; • All container-grown shrubs to be protected by bio-degradable tie protectors; • Weed-free zone maintained around base of each shrub. Medium grade mulch (3" to 4" deep, PinFined) to be applied to the zone. Mulch to also suppress competition from other vegetation at the base of all large trees. | <p>POSSIBLE HEDGEROW REMOVAL</p> <ul style="list-style-type: none"> • If an area of existing hedgerow is to be removed for any reason (e.g. to widen an existing access) the following steps should be taken: <ul style="list-style-type: none"> • Hedgerow removal should start small mammals during November to February. In addition a dormouse survey should be undertaken if the removal works are to start between May to September. • Any hedgerow removal works shall avoid the bird nesting season between March 1st and July or a pre work check for nesting birds shall be undertaken by an ecologist; and • If any existing hedgerow is to be removed the works shall be: |
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TREE PLANTING

Trees in hedgerow

- In new hedgerow feathered bare root trees are to be planted in pits at 7.5m centres in groups of 3-5 of same species with generally 12-15mm gap between groups of trees (hedgerow mix to be planted between the trees) as deep as the root system and at least 30cm wider than its diameter.
- Soil loosened around the edges and bottom of pit to eliminate compaction and improve drainage.
- Pit to be backfilled with topsoil mixed with tree planting compound and slow release fertilizer, as directed by the manufacturer's instruction;
- Each feathered tree to be supported by 1 No. 75mm x 1500mm diagonal softwood timber stake and 1 No. bio-degradable adjustable tree tie, and
- Each feathered tree to be protected with bio-degradable spiral tree guard.

Trees in rough gra

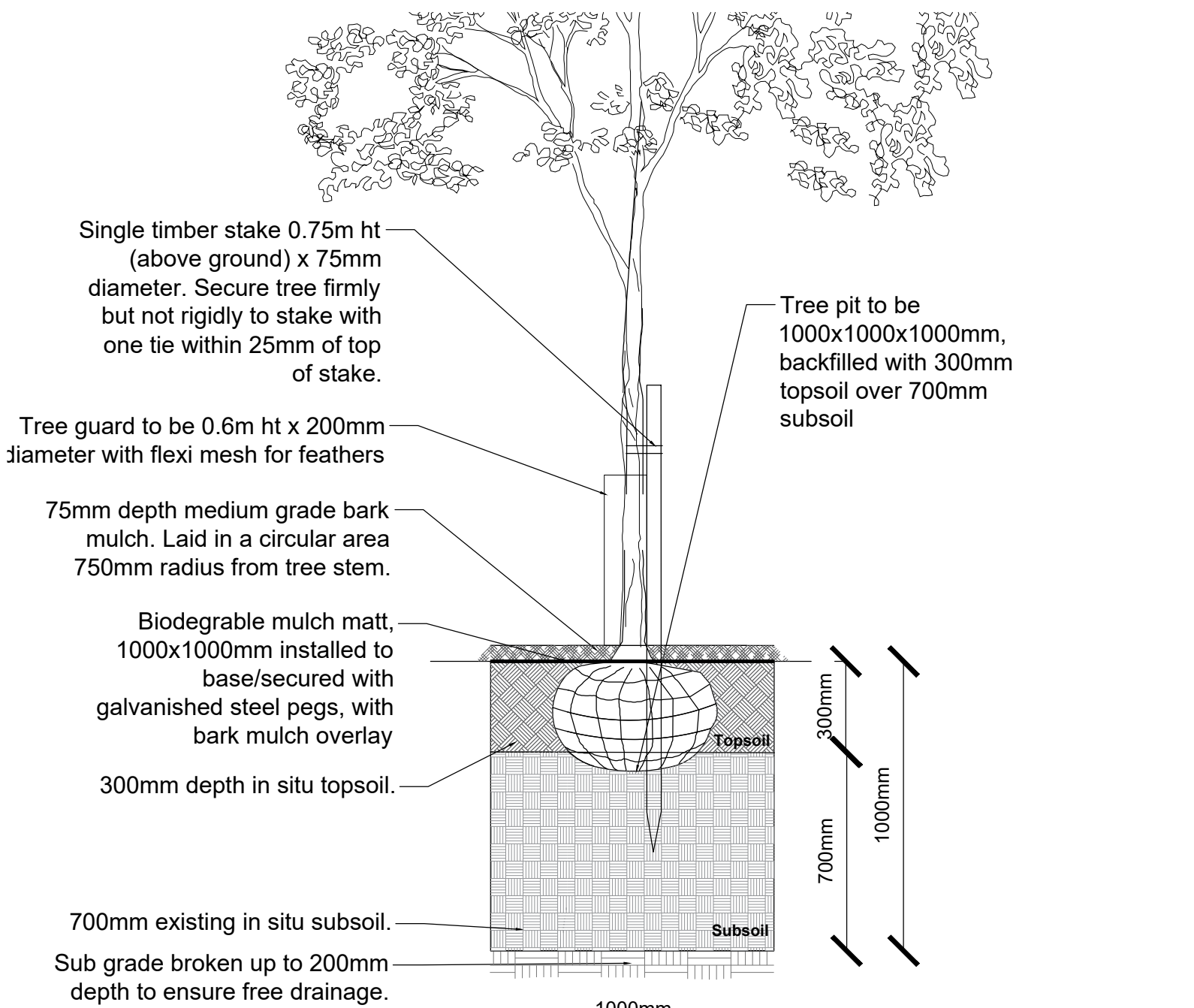
- All trees planted in the wildflower rough grassland area are to be planted in prepared tree pits, approximately 300mm greater than root ball/roots and wide enough to accommodate roots when spread. Soil loosened around the edges and bottom of the tree pit to eliminate compaction and improve drainage. Tree pit backfilled with topsoil mixed with compost and slow release fertilizer, as directed by the manufacturer's instruction.
- All selected standard trees are to be protected by a bio-degradable tubular tree guard and should have a minimum 1m diameter circle around the base of the trunk to be maintained free from vegetation and spread with 75mm medium grade mulch (British origin, FSC certified). All mulch to be pest, disease and weed free and shall not have been treated with any additives. Mulch is not to be placed against the stem of the tree; and
- All selected standard trees to be supported by 1 No. 75mm x 1500mm diagonal softwood timber stake and 1 No. bio-degradable adjustable tree tie. Stakes to be well driven into the ground at least a minimum of 300mm into bottom of the tree pit. Stakes to be pressure treated, round, peeled, smooth larch or similar.

REFER TO DETAIL LANDSCAPE PROPOSALS SHEET 2 OF 2 16801-LUC-XX-XX-DR-L-0101 FOR LANDSCAPE MANAGEMENT STRATEGY

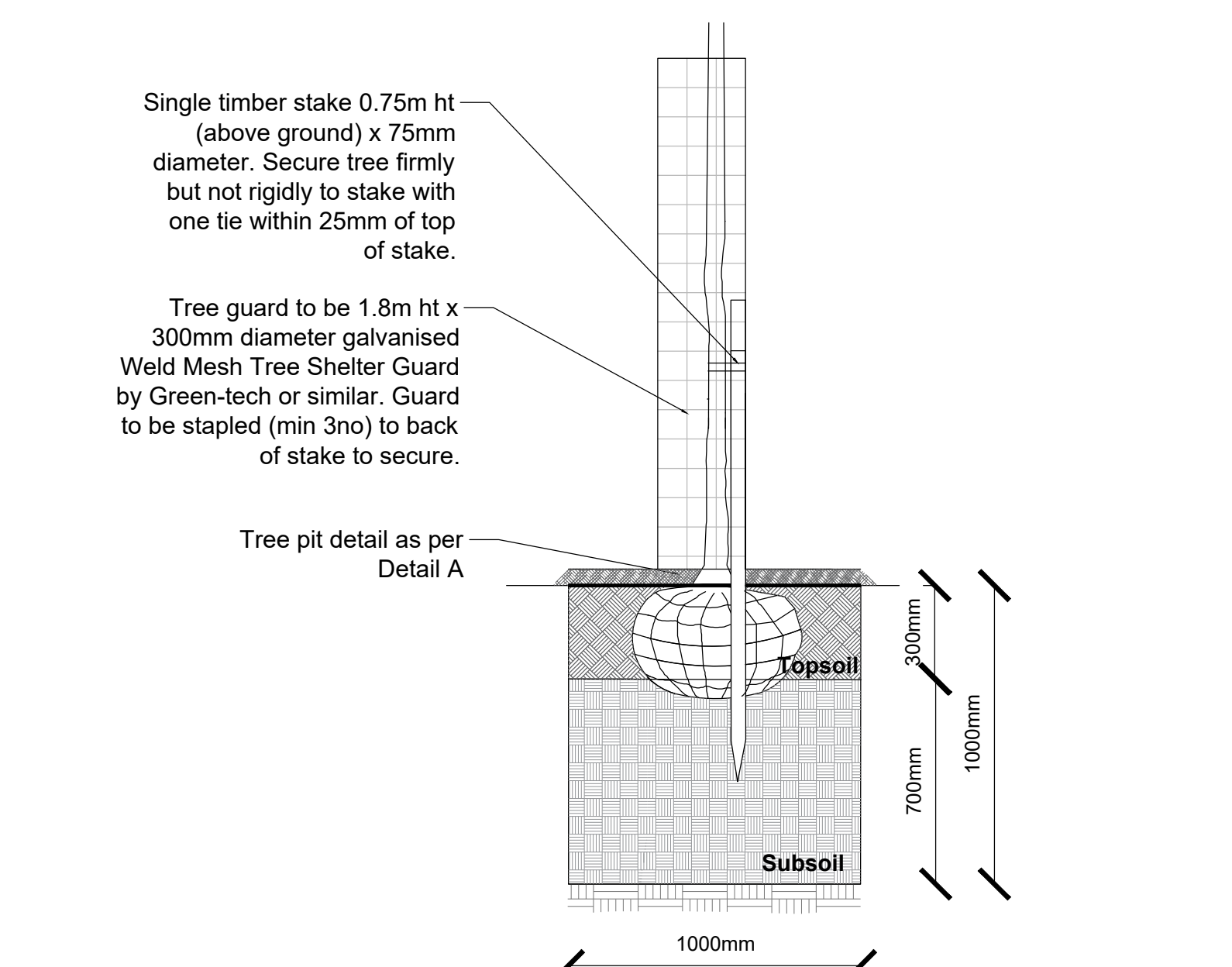
DETAIL PLANT SCHEDULE

Number	Species	Height	Girth	Specification
4	<i>Acer campestre</i>	1.75 - 2.0m		Bare root; fully furnished feather
10	<i>Acer campestre</i>	3.0-3.5m	10-12cm	Bare-root; Standard
20	<i>Crataegus monogyna</i>	1.75 - 2.0m		Bare root; fully furnished feather
3	<i>Crataegus monogyna</i>	3.0-3.5m	10-12cm	Bare-root; Standard
8	<i>Prunus avium</i>	1.75 - 2.0m		Bare root; fully furnished feather
14	<i>Prunus avium</i>	3.0-3.5m	10-12cm	Bare-root; Standard
6	<i>Quercus robur</i>	1.75 - 2.0m		Bare root; fully furnished feather
14	<i>Sorbus aria</i>	3.0-3.5m	10-12cm	Bare-root; Standard

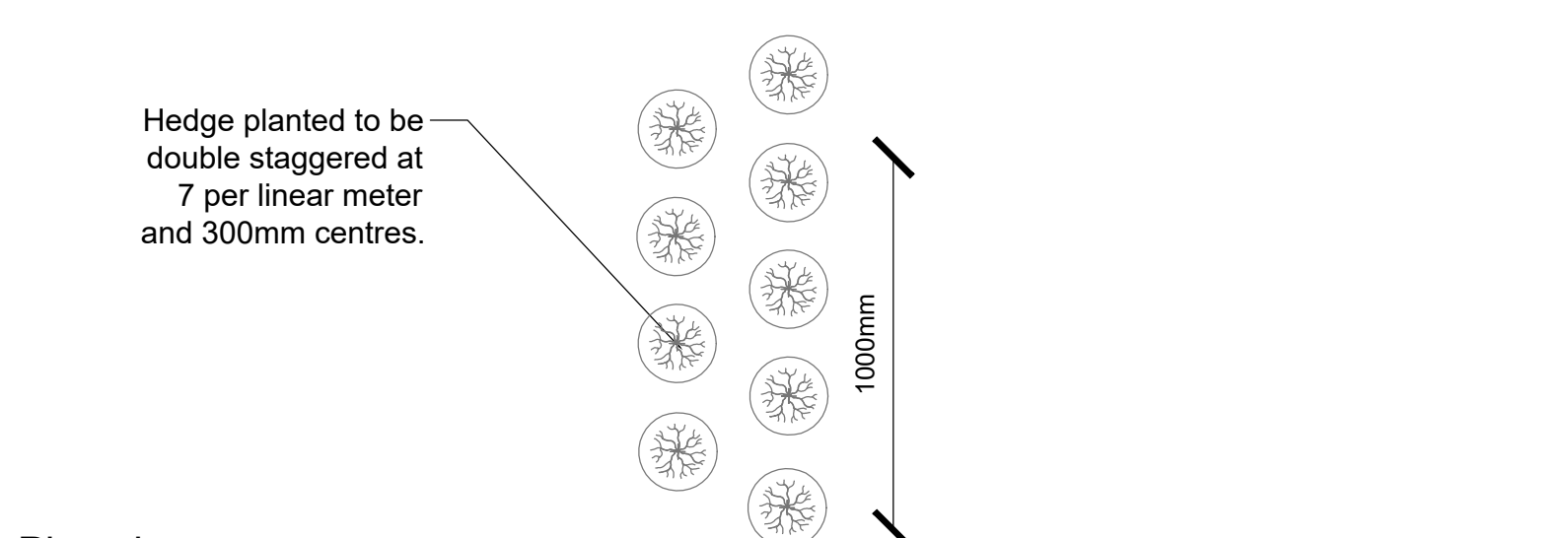
Hedges Number	Species	Height	Specification
308	Acer campestre	60-80cm	Whip; 1+1;
308	Corylus avellana	60-80cm	Whip; 1+1;
612	Crategeus monogyna	60-80cm	Whip; 1+1;
156	Euonymus europaeus	60-80cm	Bare-root transplant
308	Ilex aquifolium	40-60cm	Containerised; 2L pot
612	Prunus spinosa	60-80cm	Bare-root; transplant
156	Quercus robur	60-80cm	Bare-root; transplant
156	Rosa canina	60-80cm	Bare-root; transplant
308	Sambucus nigra	40-60cm	Containerised; 2L pot
156	Viburnum opulus	40-60cm	Containerised; 2L pot



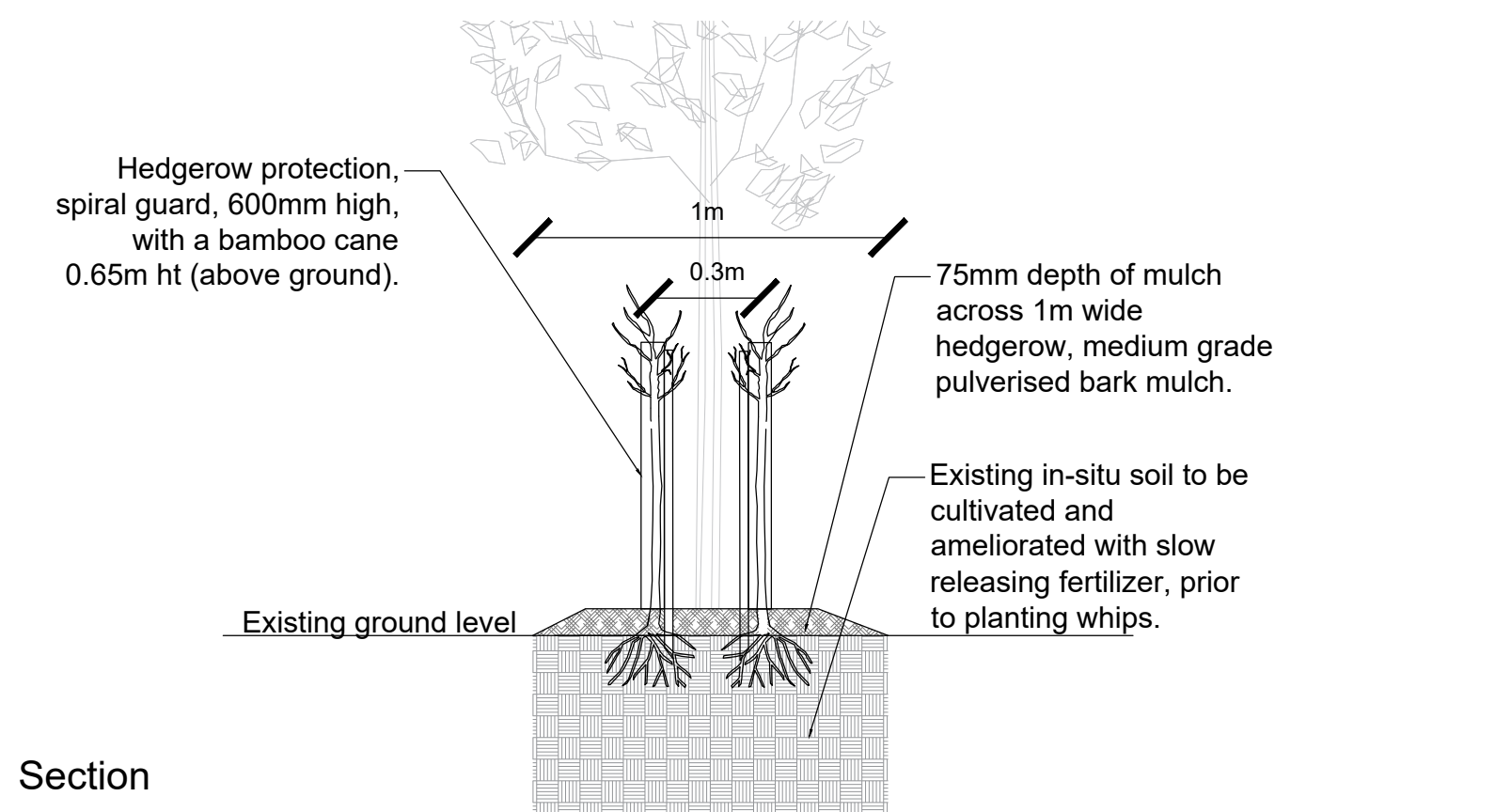
DETAIL A: Typical Tree Pit Detail | 1:50 Scale



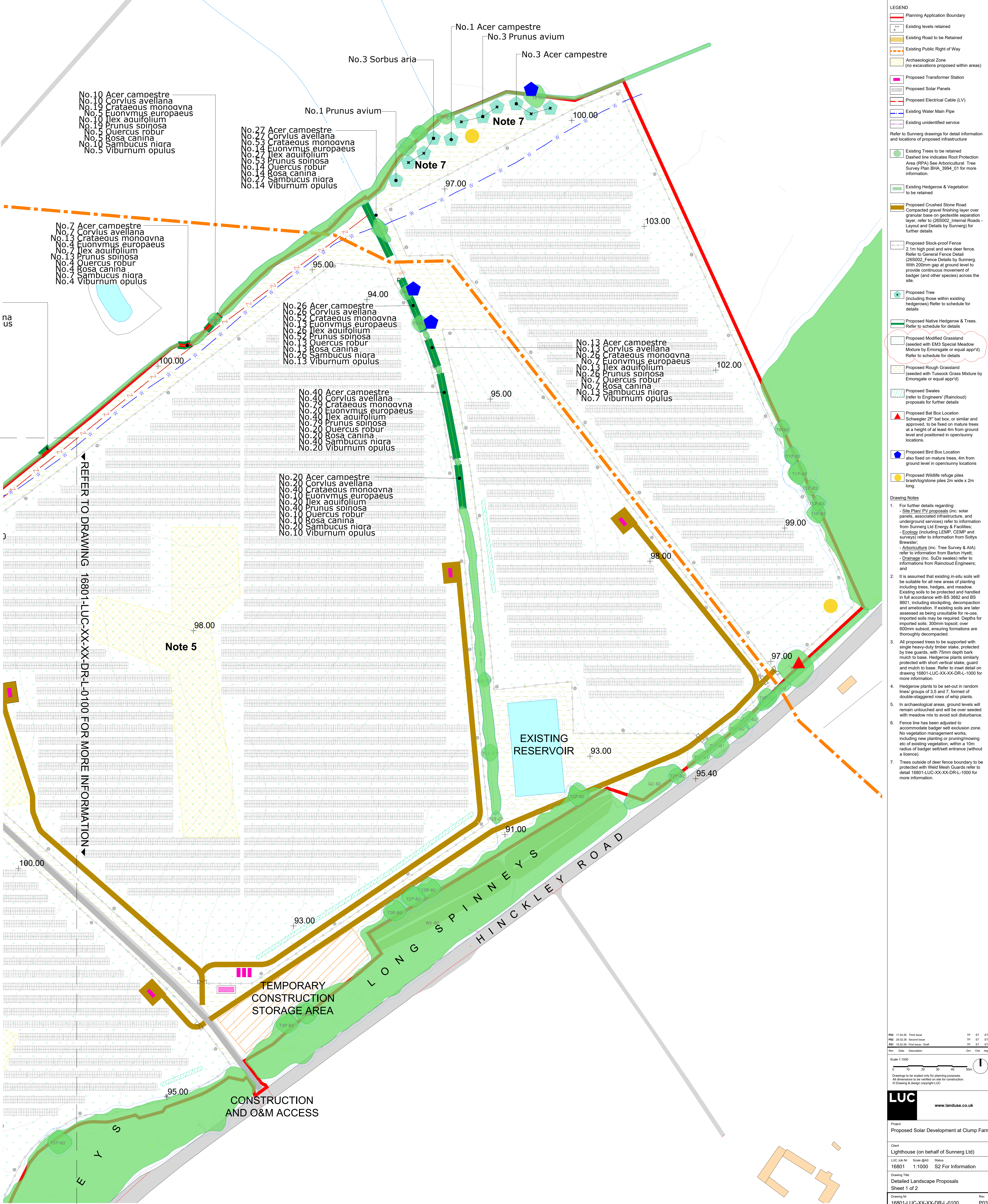
DETAIL B: Typical Tree Pit With Weld Mesh Protection Detail | 1:50 Scale



Plan view



DETAIL C: Typical Hedgerow Detail | 1:50 Scale

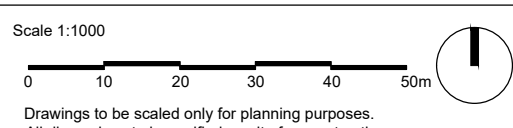


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| | Planning Application Boundary |
| | Existing levels retained |
| | Existing Road to be Retained |
| | Existing Public Right of Way |
| | Archaeological Zone
(no excavations proposed within areas) |
| | Proposed Transformer Station |
| | Proposed Solar Panels |
| | Proposed Electrical Cable (LV) |
| | Existing Water Main Pipe |
| | Existing unclassified service |
| | Refer to Surveying drawings for detail information and locations of proposed infrastructure |
| | Existing Trees to be retained
Dashed line indicates Root Protection Zone (RPA) See Appendix 3 for Arboricultural Tree Survey Plan BSH_3604_01 for more information. |
| | Existing Hedgegrove & Vegetation to be retained |
| | Proposed Crushed Stone Road
Crushed stone is proposed over granular base and geotextile separation layer. Refer to Appendix 3 for details (Internal Roadside & Driveway by Surveyor) for further details. |
| | Proposed Stockproof Fence
A 1.8m high stockproof fence is proposed. Refer to General Fence Detail (28500) Fence Details by Surveyor with 200mm gap at ground level to provide continuous movement of birds and small species across the site. |
| | Proposed Tree
Including those within existing hedgegroves. Refer to schedule for details. |
| | Proposed Native Hedgegrove & Trees. Refer to schedule for details. |
| | Proposed Modified Grassland
Grassland with low level of species diversity. Mixture by Eriogonum or equal spp/ri. Refer to schedule for details. |
| | Proposed Rough Grassland
Including Tussock Grass Mixture by Eriogonum or equal spp/ri. |
| | Proposed Sweepways
Refer to Engineers' (Raindown) Schedule for further details. |
| | Proposed Bat Box Location
Bat boxes will be placed in trees, or similar and approved, to be used in mature trees with hollowed out tree trunks. One box per tree and level positioned in open/sunny locations. |
| | Proposed Bird Box Location
Bird boxes will be placed in trees, or similar and approved, to be used in mature trees with hollowed out tree trunks. One box per tree and level positioned in open/sunny locations. |
| | Proposed Wildlife refuge lines |

Drawing Notes

- [illegible]

P03	17.04.26	Third Issue	TP	ET	ET
P02	28.02.26	Second Issue	TP	ET	ET
P01	19.02.26	First Issue - Draft	TP	ET	ET
Rev	Date	Description	Dr's	Chk	App



All dimensions to be verified on site for construction.
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LUC

www.landuse.co.uk

Project _____

Proposed Solar Development at Clump Farm

Client
Lighthouse (on behalf of Sunnerg Ltd)

LUC Job Nr	Scale (BA0)	Status
1000001	1.00000	000000 1.0 0.0 0.0

16801	1:1000	S2 For Information
Drawing Title		

Detailed Landscape Proposals
Sheet 1 of 2

Drawing Nr	Rev
16901 LUC XY XY DB L 0100	D02

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