

### General planting specifications

**Timing of Planting/Phasing:** All planting will take place after building works in a single phase at the first available time of planting. Root-balled trees to be planted from October to April.

**Watering:** All planting is to be well watered on planting and ongoing until practical completion. For trees this will involve the application of 45L of water per tree twice weekly in the growing season.

**Planting areas:**

- 1) Add a min. 450mm layer of good quality fresh topsoil (multipurpose grade topsoil BS 3882:2007 - free of roots, weeds, rubbish and contamination) to all planting areas to finish 20mm above surrounding grass and paved areas (allowing for settlement). Any site won topsoil is to be stored on site in heaps no more than 2 m in height, avoid compaction and any mixing with sub soil or construction waste. This can be used in planting areas.
- 2) Final raking to a fine tilth and tidying of all soil surfaces, remove all stones >50mm post-planting operation. Final grading is to be carried out to ensure the true specified level and slope and to avoid minor ridges, dishing or other depressions where water may collect.
- 3) All *Cornus alba* planting to be completed as per detail CD 02.
- 4) Topsoil shall conform to B.S. 3882 2007 multipurpose grade, and shall be a free draining sandy loam. It shall be of neutral or close to neutral pH, free of stones over 30 mm diameter, and shall not exceed 5% by weight. It shall be free from subsoil, sods, roots of trees/ shrubs, and rubbish.

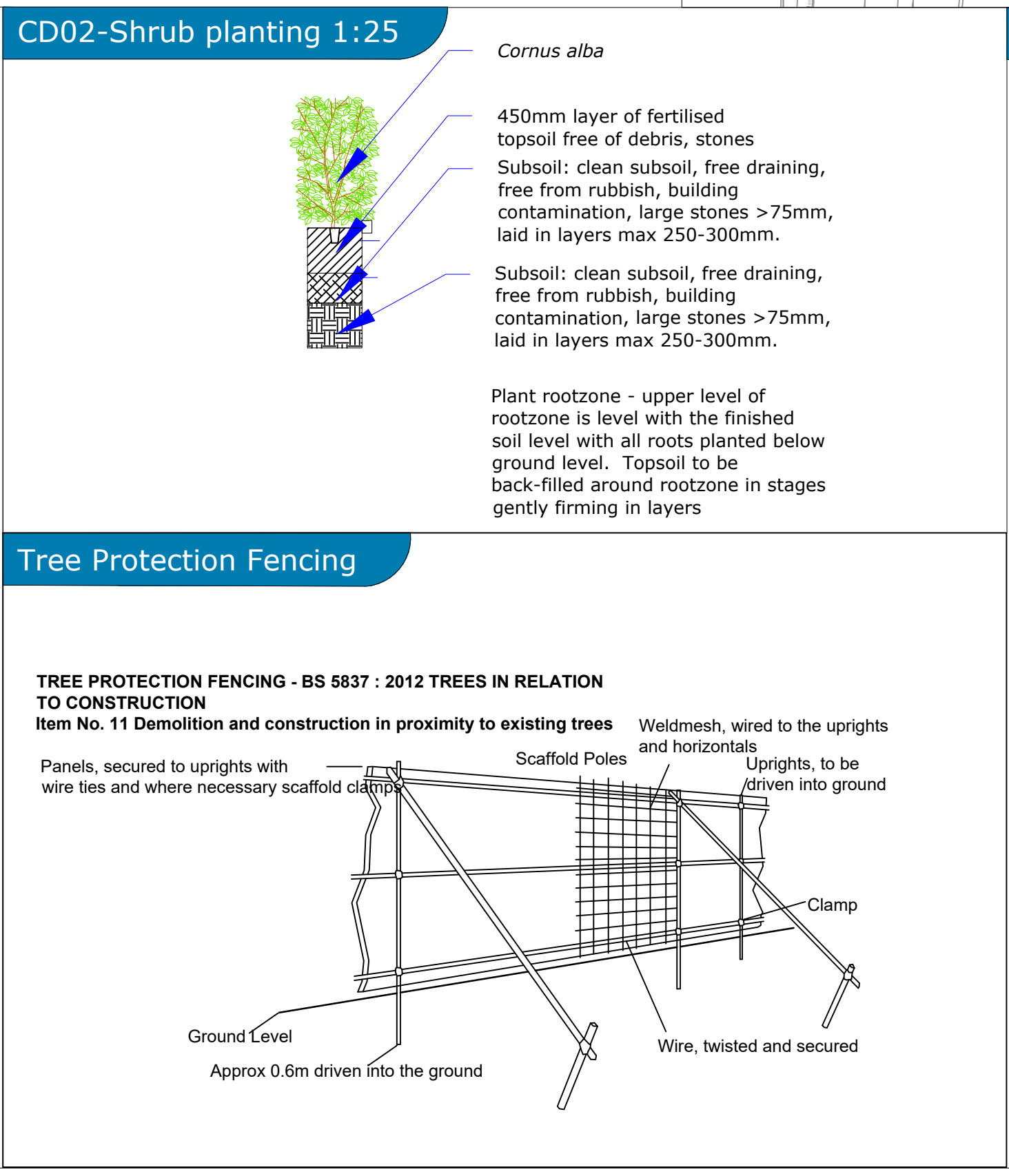
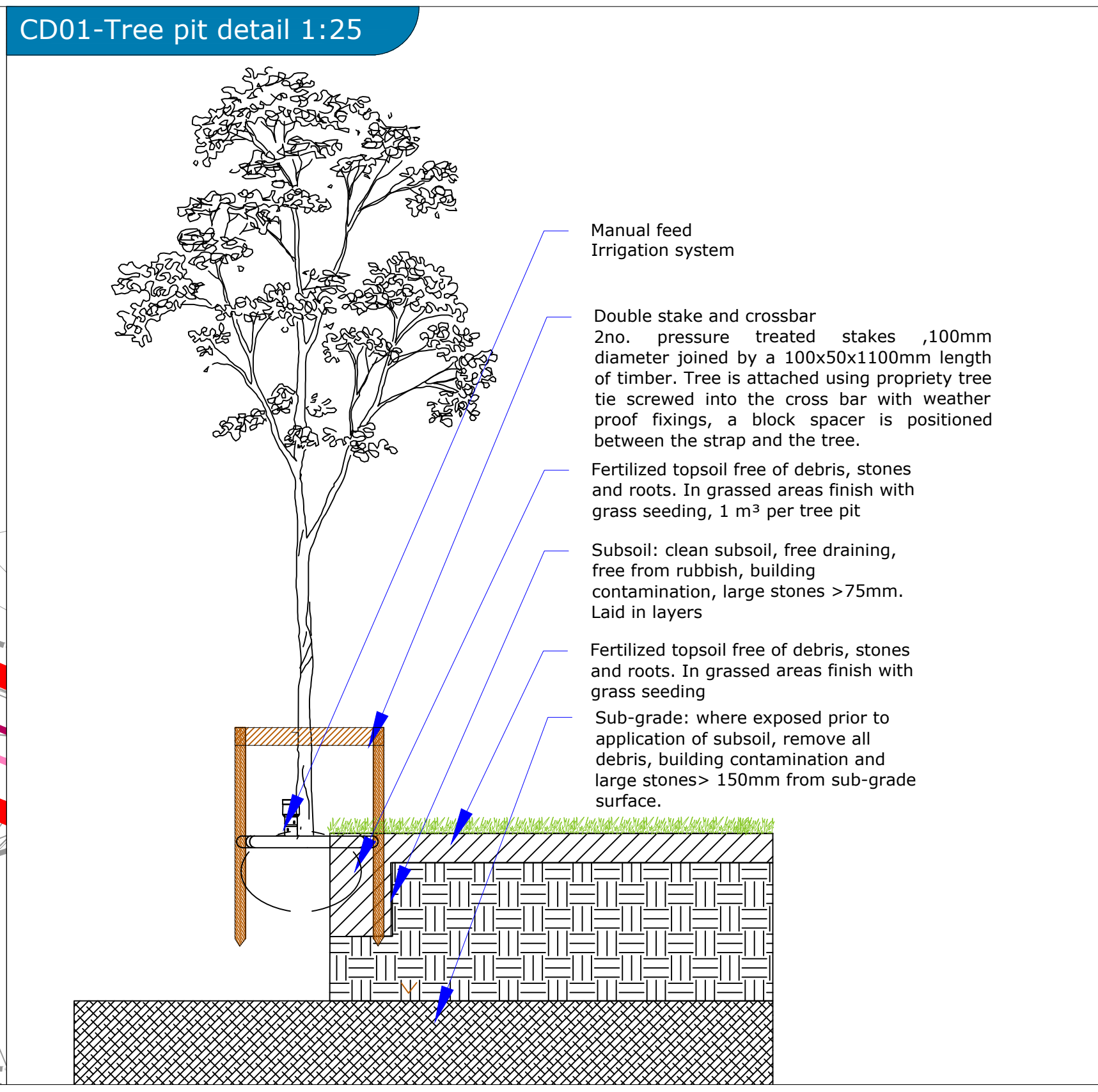
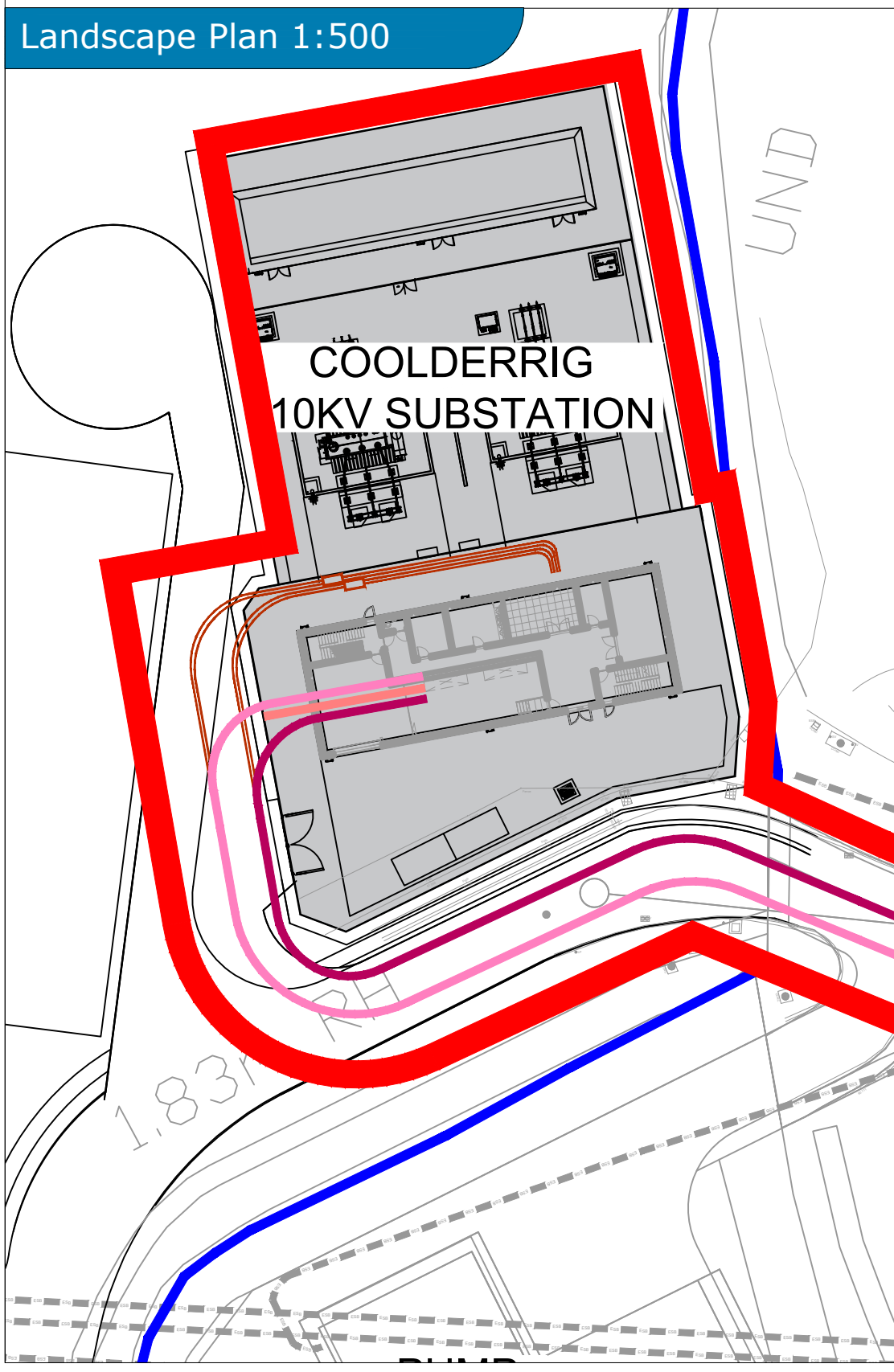
- 5) All plant material shall be good quality nursery stock, free from fungal, bacterial or viral infection, aphids, red spider or other insect pests and any physical damage. It shall comply with the requirements of B.S. 3936: Parts 1-11 Specification for Nursery Stock, where applicable.
- 6) There shall be no hardcore or construction debris/waste in the soil profile. Any areas laid with hardcore or concrete during construction will have hardcore/concrete lifted so that the soil profile consists of free draining topsoil and subsoil.
- 7) A layer of green waste compost will be worked into the top 200mm of soil, 10% of volume.

**Tree planting:**  
Specified trees are to be planted after completion of building works and preparation of the planting areas. Advanced nursery trees shall comply with B.S. 5236: 1992. They shall have a well-defined straight and upright central leader, with branches growing out of the stem with reasonable symmetry, or a well-balanced branching head, according to the Schedule. The crown shall be well shaped, balanced, of a form and habit natural for the species. Trees shall have a sturdy, reasonably straight stem not less than 1.8 metres from ground level to the lowest branch. An annotated photograph showing the dimensions of the selected trees in the nursery will be provided for approval by the Landscape Architect prior to delivery to site.

- 1) Trees shall be supplied with securely wrapped root balls of a size appropriate to the species and size of the tree selected.
- 2) Use a double - stake and cross-bar system for trees in planted areas (see drawing detail CD 01). Stakes to be pressure treated timber 100mm minimum diameter, pointed at one end. Cross braces, where specified, shall be recessed into the stakes. Tree ties shall be of rubber, PVC or proprietary fabric laminate composition, min. 50 mm wide for select standard trees and shall be strong and durable enough to hold the tree securely in all weather conditions for a period of three years. Fit with a curved block spacer to prevent chafing, and with a buckle for adjustment.
- 3) Remove any non-biodegradable wrappings/ bindings on the root-ball.
- 4) Having excavated and prepared the base of the tree pit, place tree upright in centre of pit, and orientate to best effect.
- 5) Place root irrigation pipe in position around the rootball.
- 6) Backfill the planting pit with multipurpose grade topsoil to BS 3882 2007 to conform to the above specification in layers not exceeding 250mm. Carefully firm each layer so as not to damage the irrigation system and avoiding soil compaction. Topsoil volume for semi-mature trees = 1.5-2 cubic metres.
- 8) Bury the rootball to the same depth as in the nursery as indicated by the soil mark on the trunk.
- 9) Water thoroughly before placing the last layer of soil and allow it to drain before adding final layer.
- 10) Final layer to consist of 50% multipurpose grade topsoil mixed with 50% green waste compost.
- 11) Upon completion of planting, all ground finish shall include raking off and removal of stones greater than 50mm excavated during the course of the digging for planting purposes.
- 12) If tree planting is taking place outside the dormant season, then container grown trees of the same size specification must be sourced.
- 13) Note: The Contractor shall draw the attention of the Landscape Architect to any waterlogged pits. At the direction of the Landscape Architect, the pit shall either be over dug by 250mm and have the base filled with 10mm gauge pea gravel or tree pit drainage may be required.

**Grass seeding:**

- 1) Cultivate all grass areas min. 150mm deep, removing debris and stones >30mm off site. Rake and grade.
- 2) Add a 100mm layer of good quality fresh topsoil (multipurpose grade topsoil BS 3882:2007) to all grass areas.
- 3) Final grading, remove all stones > 30mm, raking to a fine tilth and prepare a **LEVEL** seed bed for all grassed areas.
- 4) Seed all grass areas with mix detailed below.
- 5) After sowing the ground will be raked or chain harrowed, then rolled and cross-rolled with a light-weight roller. All stones exceeding 25 mm in any direction which are brought to the surface during this operation will be removed. Where the ground cannot be rolled, due to gradient, all stones exceeding 25 mm in any direction will be removed.
- 6) All work to soil shall be carried out in dry weather, and when the soil can be reduced to a friable condition, avoiding smearing or panning, and rutting and compaction by tractors.
- 7) All grass areas to be seeded in December; allow for 50% (775m<sup>2</sup>) overseeding in April



### Legend

Trees	Quantity	Notes
<i>Pinus sylvestris</i> 2 to 3m height feathered	13 no.	
<i>Salix alba</i> 'Tristis' 20-25cm rb 1.8m clear stem	3 no.	
<i>Betula pendula</i> 20-25cm rb multistem	12 no.	
<i>Prunus padus</i> 20-25cm rb 1.8m clear stem	11no.	
<i>Acer campestre</i> 20-25cm rb 1.8m clear stem	13 no.	
<i>Alnus glutinosa</i> 20-25cm rb 1.8m clear stem	8no.	
<i>Aesculus hippocastanum</i> 20-25cm rb 1.8m clear stem	4no.	
<i>Acer platanoides</i> 20-25cm rb 1.8m clear stem	4no.	
<i>Sorbus aria</i> 20-25cm rb 1.8m clear stem	5no.	
<i>Metasequoia glyptostroboides</i> 20-25cm rb 1.8m clear stem	27no.	
Existing trees		
<i>Cornus Alba</i> rb 120-150cm 3/m <sup>2</sup>	40m <sup>2</sup>	120no.
<b>Grass seeding</b>		3668m <sup>2</sup>
Grass seeding over any disturbed land. Approx. 5m band of grass seed mix on either side of works.		
<i>Festuca ovina</i> , Hard Fescue	20%	
<i>Poa pratensis</i> , Smooth Stalked Meadow Grass	10%	
<i>Festuca rubra</i> , Strong Creeping Red Fescue	30%	
<i>Festuca rubra</i> subsp. <i>Communtata</i> , Chewing's Fescue	20%	
<i>Agrostis capillaris</i> , Browntop Bent	15%	
<i>Trifolium repens</i> , White Clover	5%	
Sowing Rate: 30gms/m <sup>2</sup>		
Tree Protection fencing		
110kv Duct line		

**All trees to be planted with double stake and crossbar.**  
**All planting to be carried out in dormant season**

C	09/04/21	EOD	Updated cable length
B	08/04/21	EOD	Updated boundaries
A	16/03/21	LJ	Landscape Plan
Rev	Date	By	Details

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Client:  
Cliften Scannel Emerson Associates

Project title:  
Edgeconnex 110kv Duct

Drawing title:  
Landscape Plan

Drawn by: LJ | Scale: 1:500 on A1

Approved by: EOD | Date: March 2021

Status: Tender

Drawing no: 070321\_LC\_01 | Revision: C