

**Figure 4.10 - Landscape Planting Details**

**Note for Contractors**  
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**Notes:**

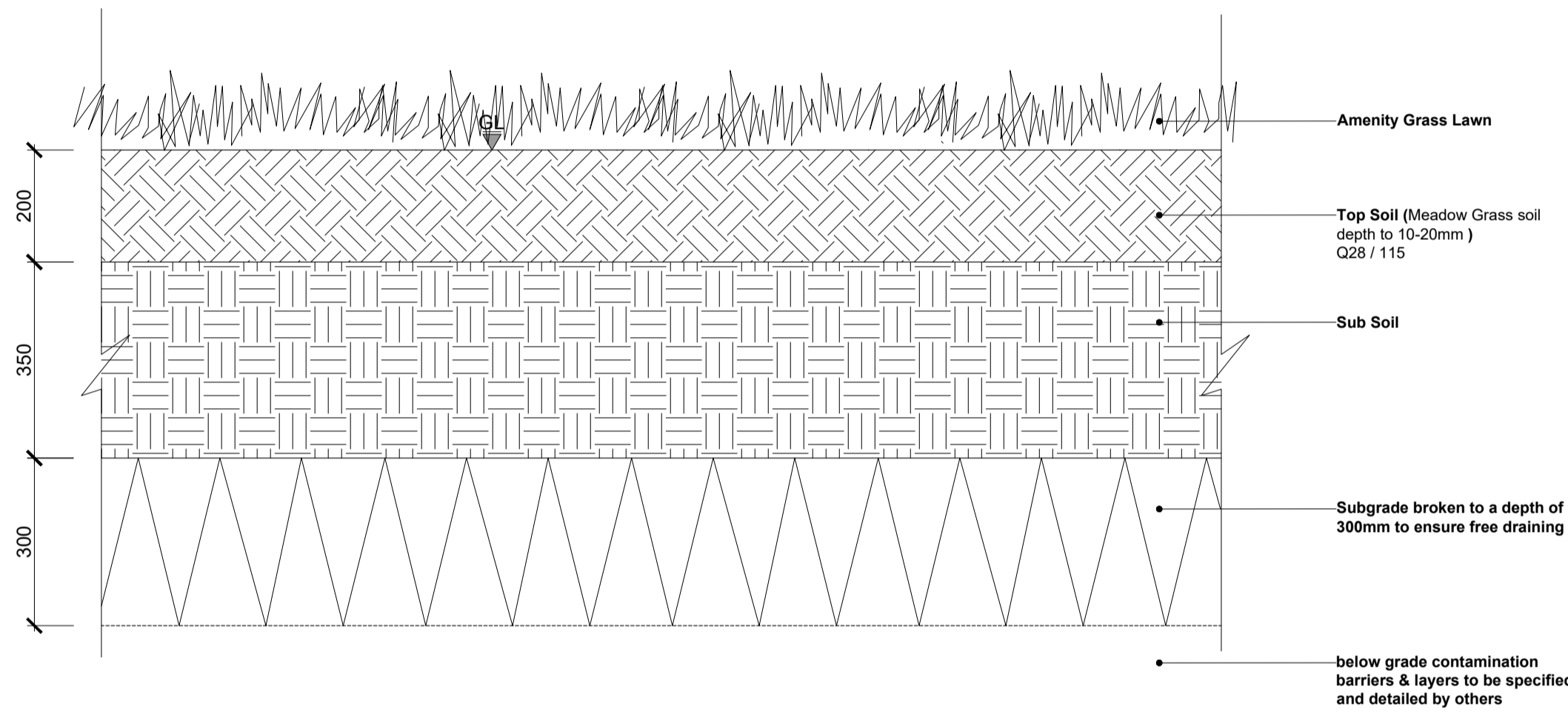
1. Final tree pit size will vary dependent on size of rootball and tree stock. See guidance notes below. Landscape architect to inspect tree pits prior to planting.

**Tree pit size guidelines:**

Tree size	Rootball Size	Tree pit size (length, width, depth)
14-16 cmg	50x50cm	80x80x65cm
16-18 cmg	50x50cm	80x80x65cm
18-20 cmg	60x60cm	80x80x75cm
20-25 cmg	70x60cm	90x90x75cm
25-30 cmg	80x60cm	100x100x75cm
30-35 cmg	90x60cm	110x110x75cm
35-40 cmg	100x70cm	120x120x85cm
40-45 cmg	120x70cm	140x140x85cm

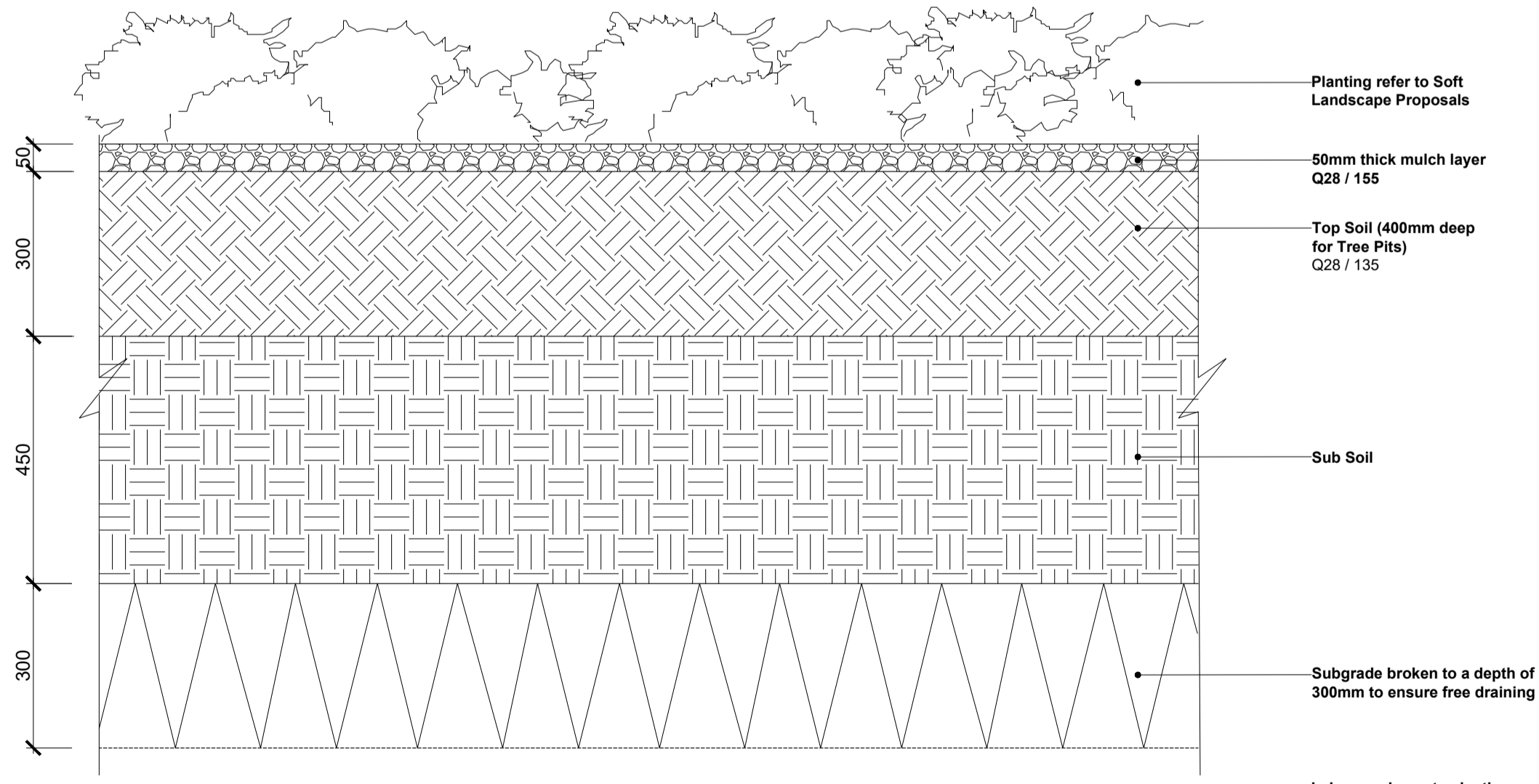
2. Additional support for trees may be required if ground conditions become too wet for ground anchors to provide support.

3. Final location of trees is subject to location of services that are to be confirmed by engineer.



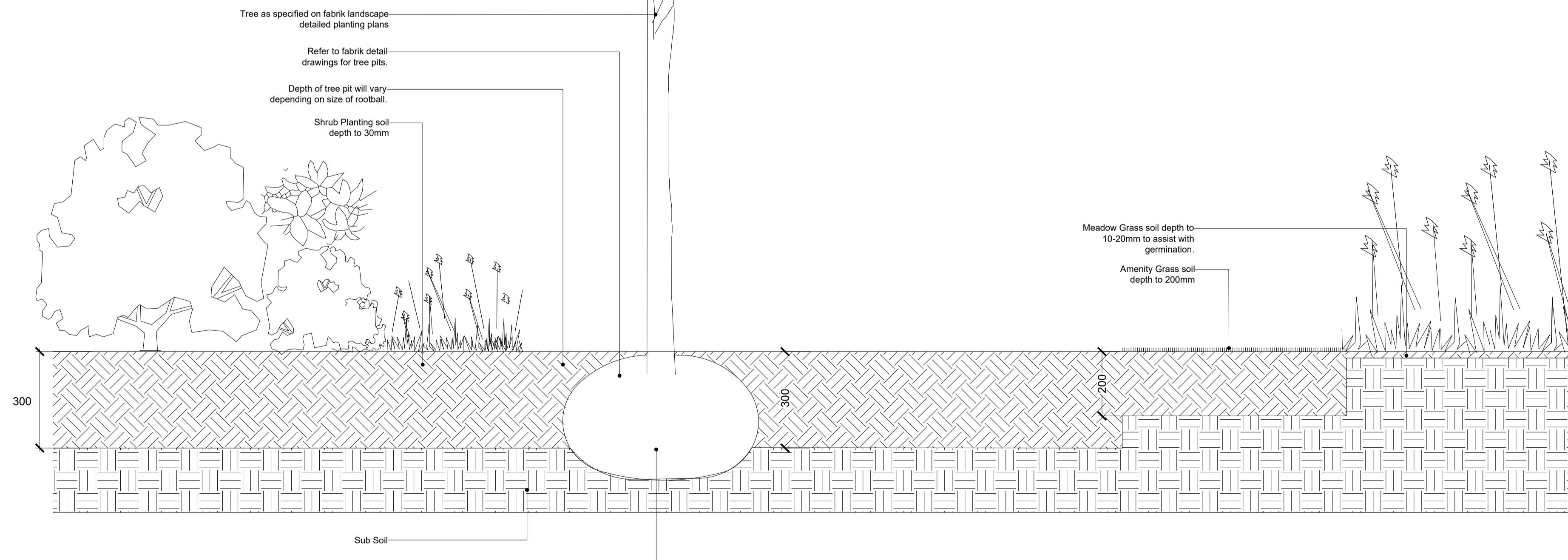
8700 1 Typical Detail - Amenity Grass Soil Profile

Scale: 1:10 @ A1



8700 2 Typical Detail - Shrub and Herbaceous Perennial Soil Profile Plan

Scale: 1:10 @ A1



8700 3 Typical Detail - Typical Soil Profile

Scale: 1:10 @ A1

**NOTE: BS3882:2015**  
 The depth of topsoil spread should not normally exceed 300 mm. suitable (loosened) subsoil should provide the remainder of the minimum rooting depth. the minimum rooting depth should be normally, 450 mm for grass, 600 mm for shrubs and 900 mm for trees. (subsoil in accordance with BS8601: 2013 specification subsoil) prior to spreading topsoil, the receiving area should be de-compacted to increase permeability

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Revision	Date	Reason	Drawn	Checked

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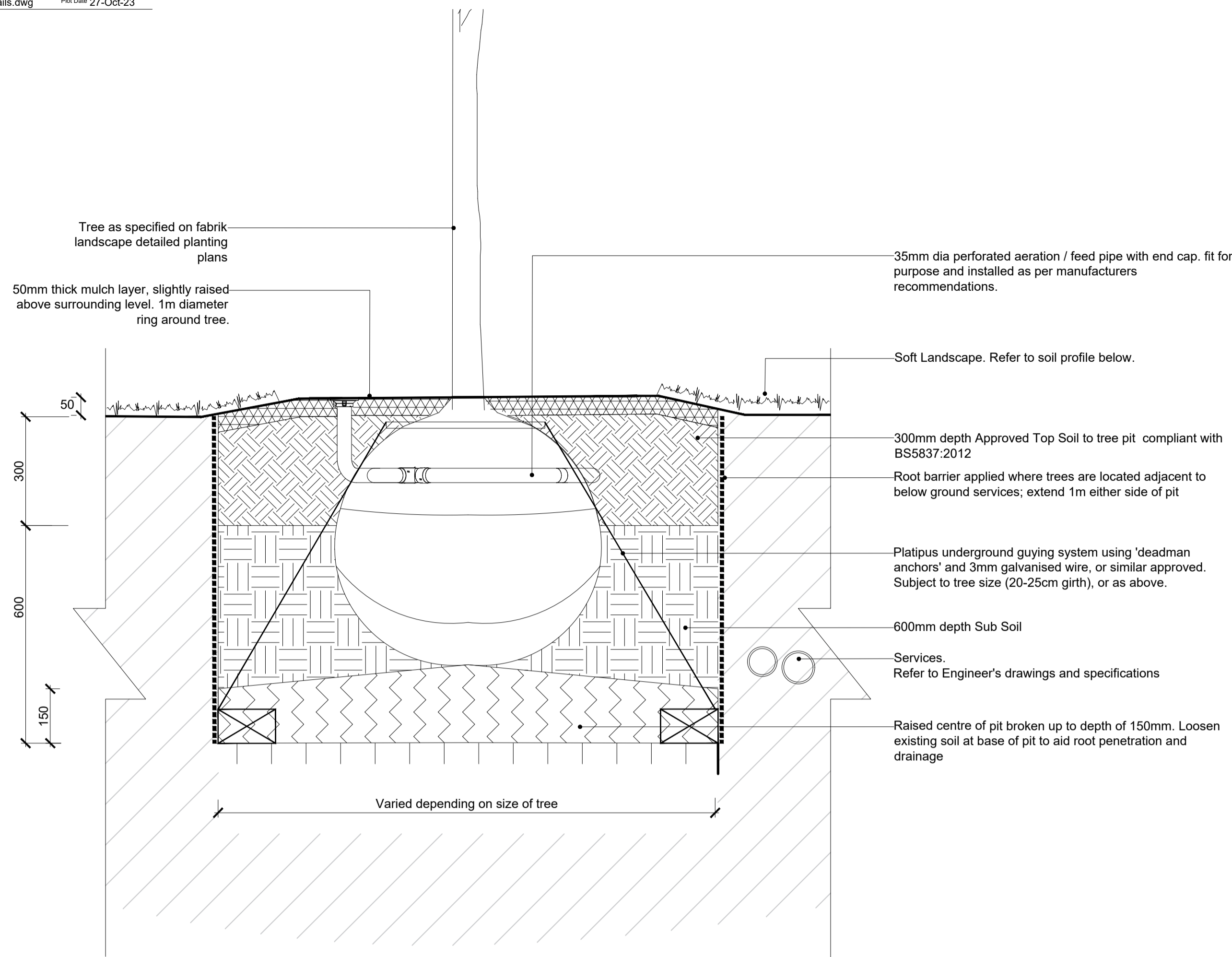
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Project: Oxford UTD Football Stadium Client: Oxford Utd FC

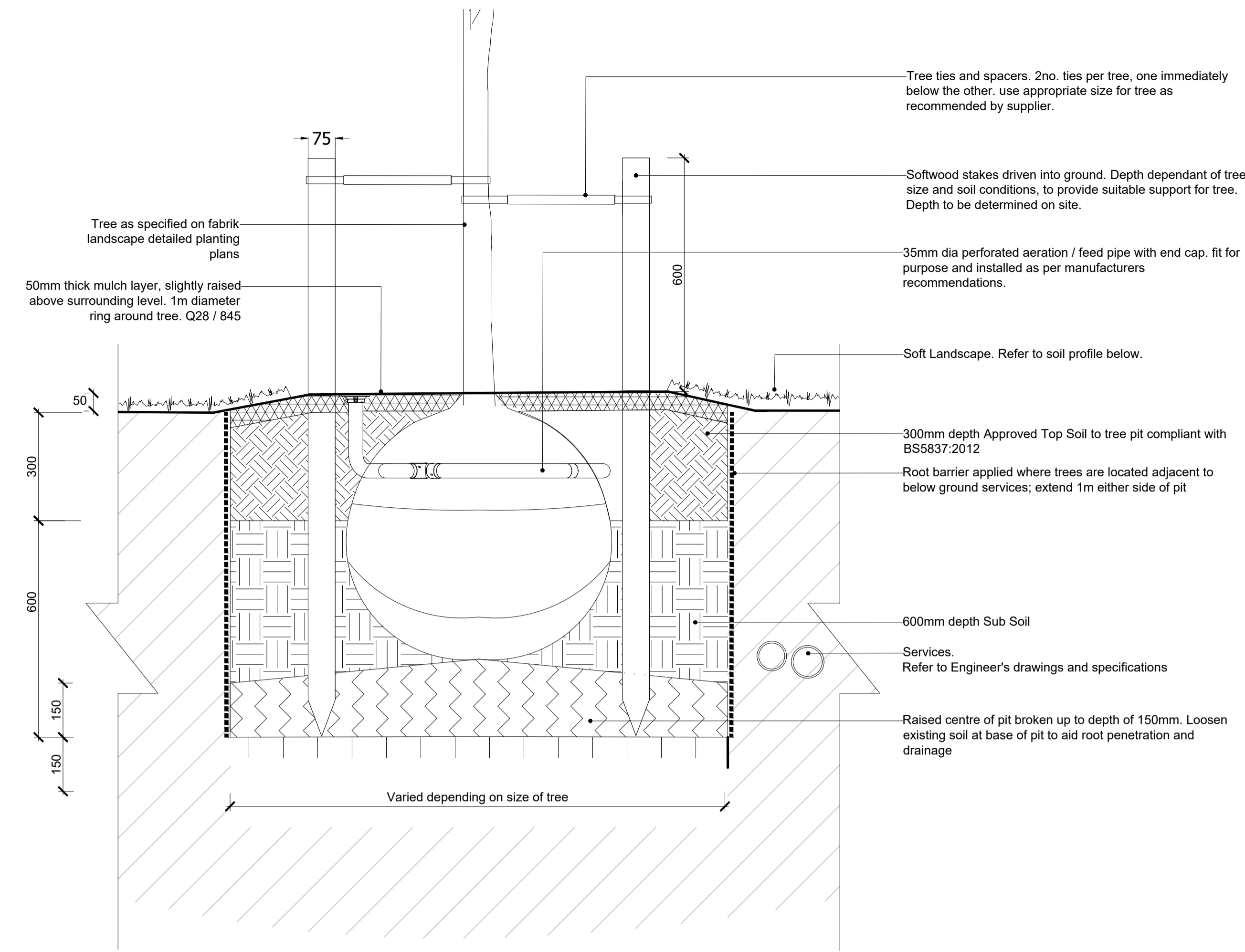
Drawing Title: Typical Planting Details - Soil Profile Plan  
 Number of Issue: 1 Drawn By: af Checked By: as Drawn Scale: 1:10 @ A1 Date of First Issue: Oct 1 2023

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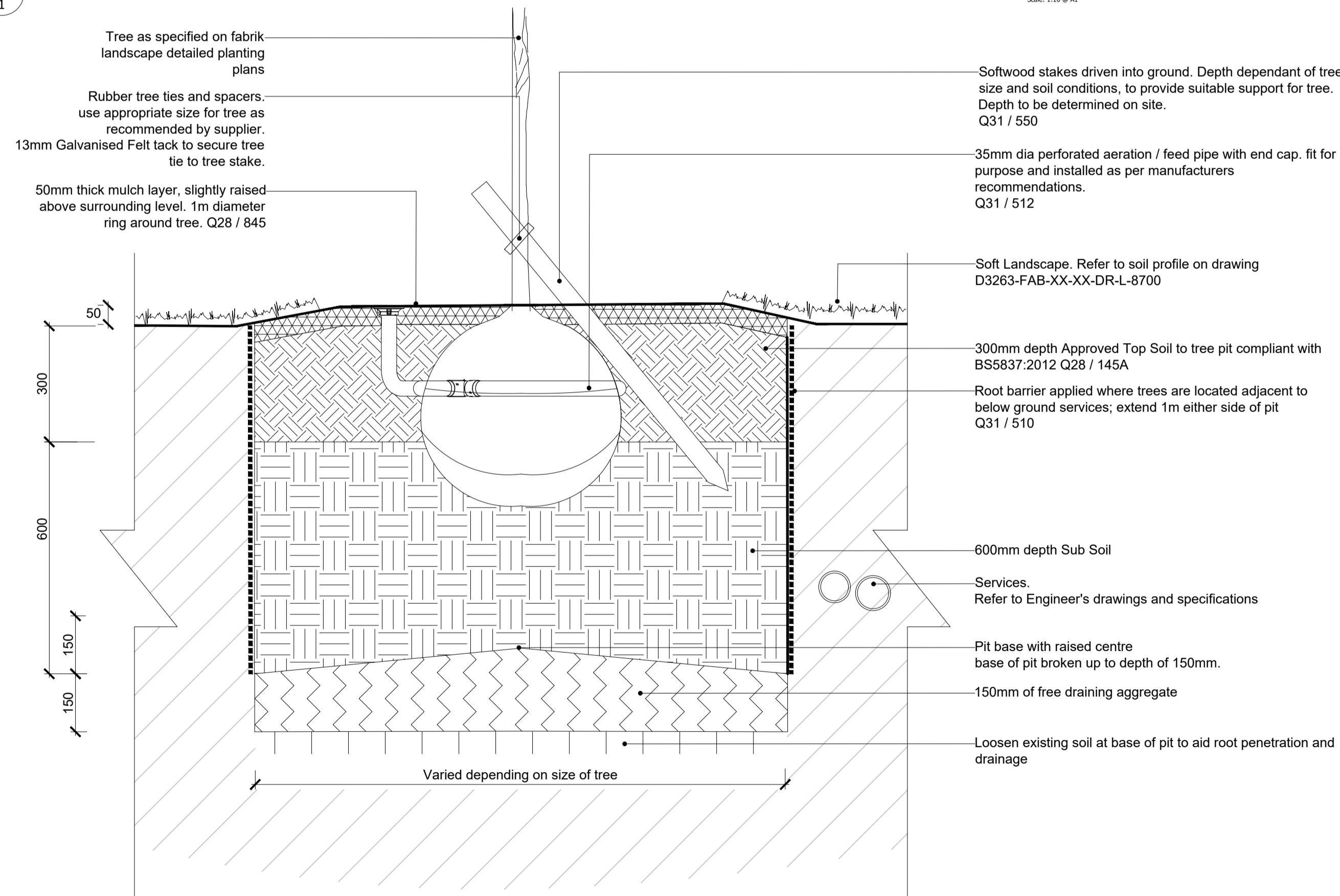
Project Number	Client	Zone	Level	File Type	Role	Number	Revision
O UFC	FAB	XX	XX	DR	L	8700	P01



8701 1 Typical Detail - Tree with Guy System Scale: 1:10 @ A1



8701 2 Typical Detail - Tree with Double Staking Scale: 1:10 @ A1



8701 3 Typical Detail - Tree with Single Staking Scale: 1:10 @ A1

**NOTE: Guidance for Tree Pit Sizes within Soft Landscape Areas**  
 Final tree pit size will vary dependent on size of rootball, tree stock and soil type. Below are general guidance sizes only. The landscape contractor is to speak to the grower to obtain exact sizes prior to delivery. Landscape Architect to inspect tree pits prior to planting.

Tree size	Rootball Size	Tree pit size (length, width, depth)
12-14 cmg	50x50cm	80x80x65cm
14-16 cmg	50x50cm	80x80x65cm
16-18 cmg	50x50cm	80x80x65cm
18-20 cmg	60x60cm	80x80x75cm
20-25 cmg	70x60cm	90x90x75cm

Trees either staked or secured with a guy system depending on the condition of the rootball and suitability for fixing, Site conditions and ground conditions.

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**NOTE:**  
 Deepproot 'Silva Cell' rootzone system illustrated. **Q30 / 520**  
 System to be confirmed by manufacturer providing 17m<sup>3</sup> topsoil per tree.

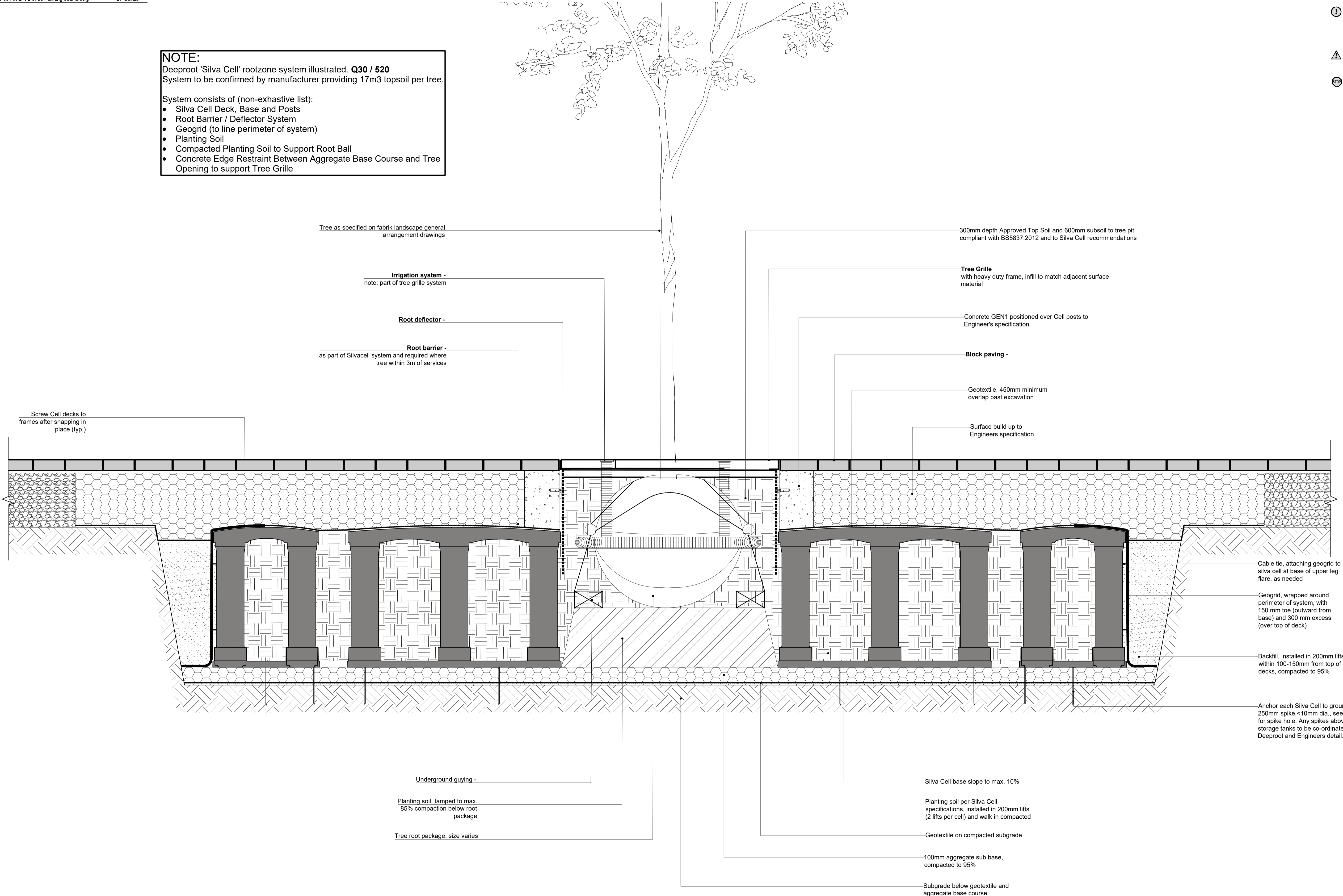
System consists of (non-exhaustive list):

- Silva Cell Deck, Base and Posts
- Root Barrier / Deflector System
- Geogrid (to line perimeter of system)
- Planting Soil
- Compacted Planting Soil to Support Root Ball
- Concrete Edge Restraint Between Aggregate Base Course and Tree Opening to support Tree Grille

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8702  
 1 Typical Detail - Surface area of Root Cells based on Deepproot, Silva Cell product with 800mm depth to provide 17m<sup>3</sup> per tree. Full fabrication drawing, layout and design plans for cell system to be confirmed with manufacturer and signed off by utility provider prior to commencement.

Scale: 1:10 @ A1

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External References:

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Project: Oxford UTD Football Stadium  
 Client: Oxford Utd FC

Drawing Title: Typical Planting Details - Tree Pits Sheet 1  
 Number of issue: 01  
 Drawn By: aw  
 Checked By: as  
 Drawn Scale: 1:10 @ A1  
 Date of First Issue: Oct | 2023

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Project Number	Client	Zone	Level	File Type	Role	Number	Revision
O UFC	FAB	XX	XX	DR	L	8702	P01