

NOTE: These implementation and maintenance guidelines are for planning purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

1. GENERAL

- 1.1 All plants will conform to BS 3936-1 (1992); and be in accordance with the National Plant Specification. Supplying nurseries will be registered under the HTA Nursery Certification Scheme. All plants will be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.
- 1.2 Planting will not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds.
- 1.3 All bare-root planting stock will be kept covered until actually planted in order to minimise water-loss and prevent the roots from drying out.
- 1.4 All bare-root planting stock will be root dipped in an approved water-retaining polymer.

2. TREE PLANTING

Ground Preparation and Tree Pit Excavation

- 2.1 If the formation level is compacted it will be ripped through before topsoiling.
- 2.2 Where necessary existing weeds will be treated with a suitable glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect.
- 2.3 Tree pits will be excavated to at least twice the diameter of the root spread and to be planted in accordance with BS 4428 (1989). The bottom and sides shall be forked to break up the subsoil. All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter in any dimension will be removed from site.
- 2.4 Tree pits which extend under hard paved areas will be excavated and a cellular reinforcing structure such as Greenleaf Rootcells filled with topsoil can be used (refer to sheet 2 of 2).

Planting

- 2.5 Trees are to be placed into the pits and backfilled with local topsoil previously stripped from the site. A general-purpose slow release fertiliser (at the rate of 75g/m²) and Tree Planting and Mulching Compost (at the rate of 20litres/m²) are to be incorporated into the top 150mm of topsoil during backfilling. Where tree pits are more than 300mm deep, backfilled material shall be consolidated/firmed in 150mm layers.
- 2.6 Trees shall be planted as per the planting pattern set out in the plant schedule on the relevant drawing.
- 2.7 Extra heavy standard trees shall be well firmed-in and secured with stakes, proprietary rubber tree ties and spacers as below.
- 2.8 All newly planted trees over 1.5m high will be held so that movement at the root collar is minimised until new roots have developed to anchor the tree. Therefore low staking (75mm dia x 1.5m length) will be used and attached to the tree at approximately 600mm above ground level. Stakes will be driven 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables. The trees will be staked using proprietary rubber ties and must be firmly fixed with a spacing device used to prevent chaffing against the tree.
- 2.9 Extra heavy standard trees will be double-staked (goal-post staked).
- 2.10 Semi mature trees will be underground guyed.
- 2.11 Composted bark mulch will be spread to a depth of 75mm across in a 1.0m diameter circle around all individual trees (excluding ones in grilles), ensuring that desirable groundcover plants (where present) are not buried.
- 2.12 All trees and shrubs shall be watered in at the end of each day of planting.
- 2.13 Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil at the specified centres with minimal disturbance to the rootball and well firmed in. Spread ornamental pine bark mulch to a depth of 75mm across all new planting areas, ensuring groundcover plants are not buried.

Maintenance during first growing season

- 2.14 All dead, dying or diseased trees will be replaced with trees of similar size and species. If the failure of the tree is due to disease and the disease is considered likely to re-occur then an alternative species may be used as replacement if agreed with the LPA.
- 2.15 The site is to be visited quarterly throughout the year to undertake the following operations:
 - 2.16 **Weed clearance:** All planting areas will be kept weed free by hand weeding or herbicide treatment.
 - 2.17 **Checking trees:** All tree ties and stakes will be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes will be replaced.
 - 2.18 **Formative pruning:** Any damaged shoots/branches will be pruned back to healthy wood. Plants will be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

Watering during first growing season

- 2.19 The requirement for watering of newly planted trees will generally be dependent on weather conditions during the first growing season following planting. In a dry season watering may be required on a fortnightly basis from immediately after planting until the end of the growing season, but in a wet season watering may not be required at all. Therefore trees shall be monitored regularly by test digging down to root level to assess the water content of the soil, with watering undertaken as required to ensure that the soil is at field capacity 2-3 days after watering.

3. GRASS

Preparation

- 3.1 The area to be turfed or seeded will be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds, debris and stones over 25mm diameter. The surface will be raked to smooth flowing contours with a fine tith, incorporating pre-seeding fertiliser at 70 g/m².

Delivery and Storage

- 3.2 Turf will be supplied in accordance with BS: 3936. Turf will be Medallion as supplied by Rowlawn. It will be close textured and green in colour and be sufficiently fibrous to withstand handling. Turves will be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass will be closely mown and will not exceed 25mm in height. Turf will be stacked in piles of up to 1 metre. It will not be laid in frosty or waterlogged conditions and will not be stacked in rolls for more than three days.

Turf

- 3.3 Turfing operations will be in accordance with BS: 4428:1989. Whole turves will be laid around the perimeter of the area to be turfed. The central area will be laid in rows with staggered joints, well butted together, working from planks positioned on turves already laid. The turf will be watered on completion. Any unevenness will be made good by lifting the turf and adjusting the levels. Should shrinkage occur, fine topsoil will be brushed into the joints.

Seeding

- 3.4 Grass seed will be sown in accordance with BS: 4428:1989, and will be sown in April during calm weather and not when the ground is frost bound or waterlogged. Seed will be sown in two equal sowings in transverse directions at 35 g/m² for amenity grass. After sowing the contractor will lightly rake the seed into intimate contact with the soil.

Initial cut

- 3.5 When newly seeded and turfed areas reach 40mm they will be lightly rolled and cut to a height of 30mm. All arisings will be removed. Any bare patches will be made good at this time. Seeded areas shall be cut for a second time when the sward reaches 50mm high.



KEY

- Existing Trees Retained
- Proposed Tree Planting within tree grille and guard (see figure 1 on sheet 2 of 2)
- Proposed Tree Planting
- Proposed Shrub Planting
- Proposed Grass - Amenity Areas
- Proposed Grass - Private Gardens

Proposed Root Barrier - ReRoot 1000 as supplied by Greenleaf or similar approved alternative

TREE PLANTING

Code	Species	Form	Girth cm	Height cm	Root condition	Quantity
BJ	Betula utilis var. jaquemontii	EHS	14-16	400-450	75 L	3
PC	Pyrus calleryana 'Chanticleer'	EHS	14-16	400-450	75 L	2
QR	Quercus robur	SM	20-25	-	200 L	3

ORNAMENTAL SHRUB PLANTING

Code	Species	Height/ spread cm	Pit size (L/W)	Habit	Min no. of breaks	No. / m ²	Quantity
CC	Cistus corbariensis	30-40	3L	Bushy	4	3	18
CSK	Cotoneaster 'Skogholm'	30-40	3L	Spreading	3	3	10
CSF	Cistus Silver Pink	30-40	3L	Bushy	4	3	18
FSH	Fagus sylvatica (hedge)	60-80	2L	Feathered	4	5/lin m	360
HAR	Hebe albicans Red Edge	20-30	3L	Bushy	5	3	16
HR	Hebe rakiensis	20-30	3L	Bushy	5	3	25
HH	Hypericum Hidcote	30-40	3L	Bushy	5	2	51
LAV	Lavandula Hidcote	20-30	3L	Bushy	5	5	39
LBG	Lonicera Bagassens Gold	30-40	3L	Bushy	3	4	25
LM	Lonicera 'Maygreen'	30-40	2L	Bushy	3	3	34
MA	Mahonia Appollo	30-40	3L	Bushy	3	2.5	11
PE	Potentilla Elizabeth	30-40	4L	Bushy	6	2.5	48
POL	Prunus Otto Luyken	30-40	3L	Bushy	3	2	17
SAW	Spiraea Anthony Waterer	30-40	3L	Branched	5	3	18
SS	Senecio Sunshine	30-40	3L	Bushy	4	2	17

Sheet 1 of 2
Heyford Park, Camp road Western entry Parcel B1
Planting Plan

Drawing Ref: **B.0285_06-D**
 Client : **Bovis Homes**

1 : 250 @ A2
 10th September 2013
 Team CT/DP



Figure 1: Typical Tree in paved area. Extra Heavy Standard Tree (EHS)

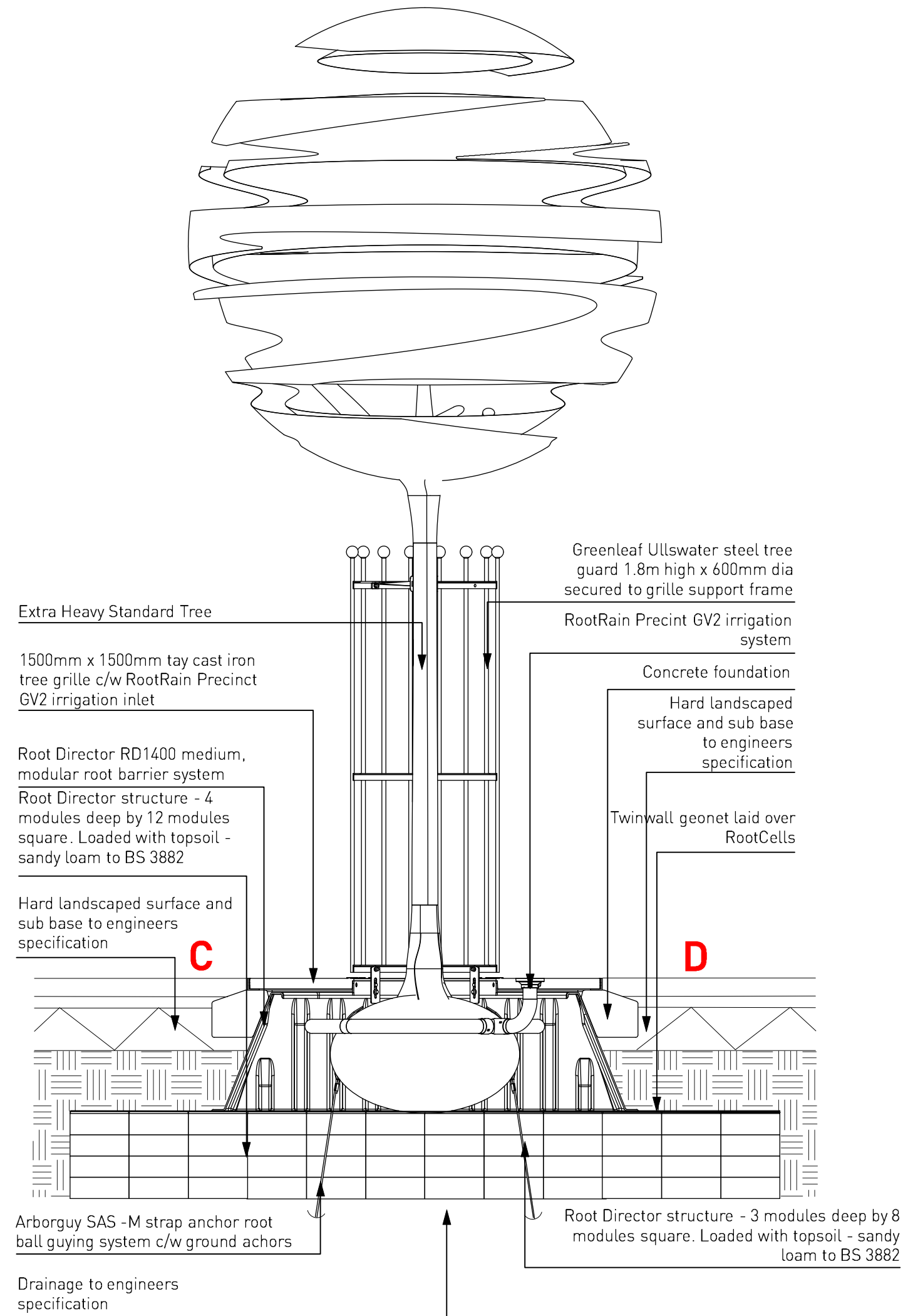
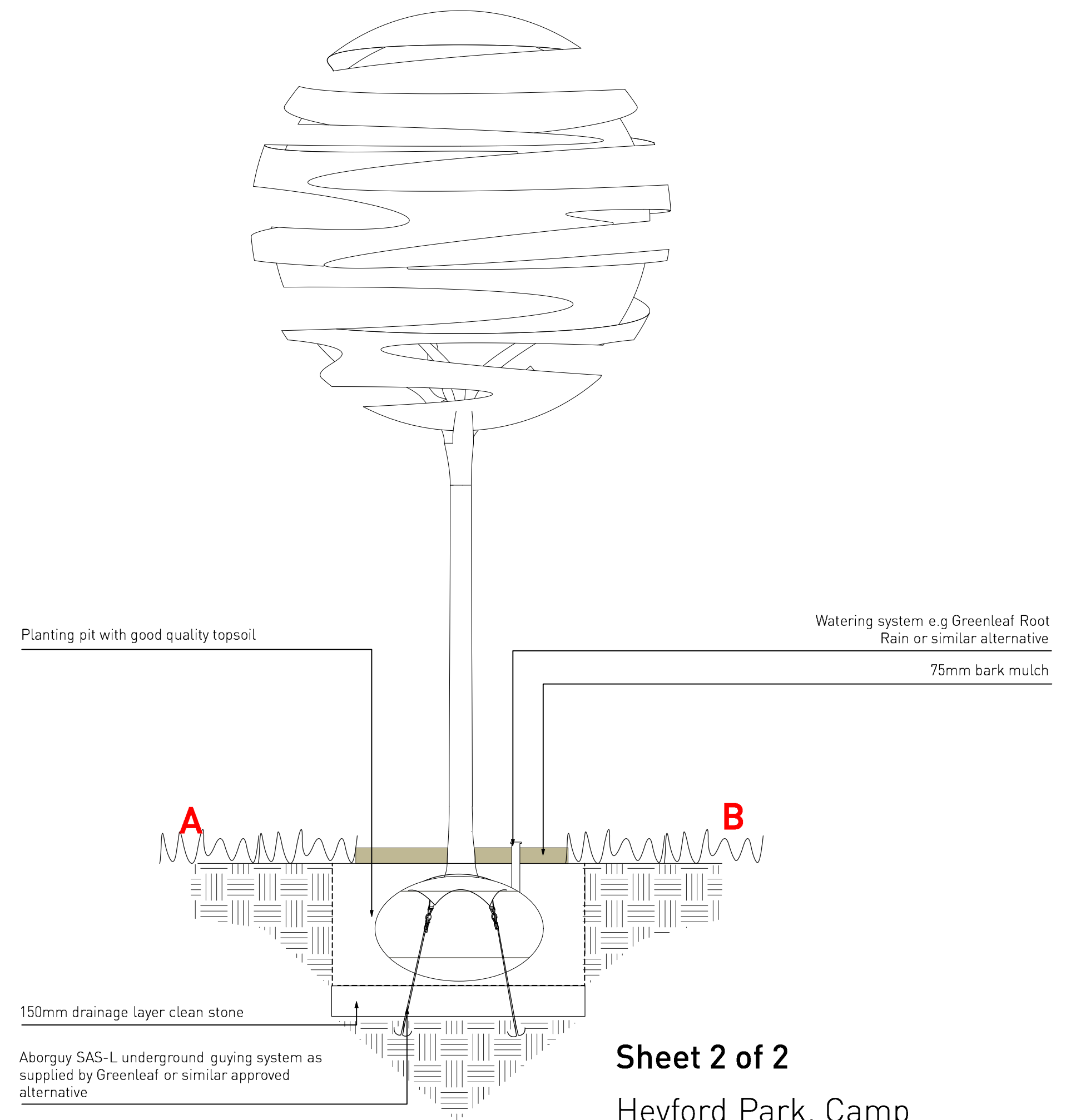


Figure 2: Semi mature tree planting only



Sheet 2 of 2
 Heyford Park, Camp
 road Western entry
 Parcel B1
Planting Plan -Tree Pit Details

Drawing Ref: **B.0285_06-D**
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1 : 20 @ A2
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