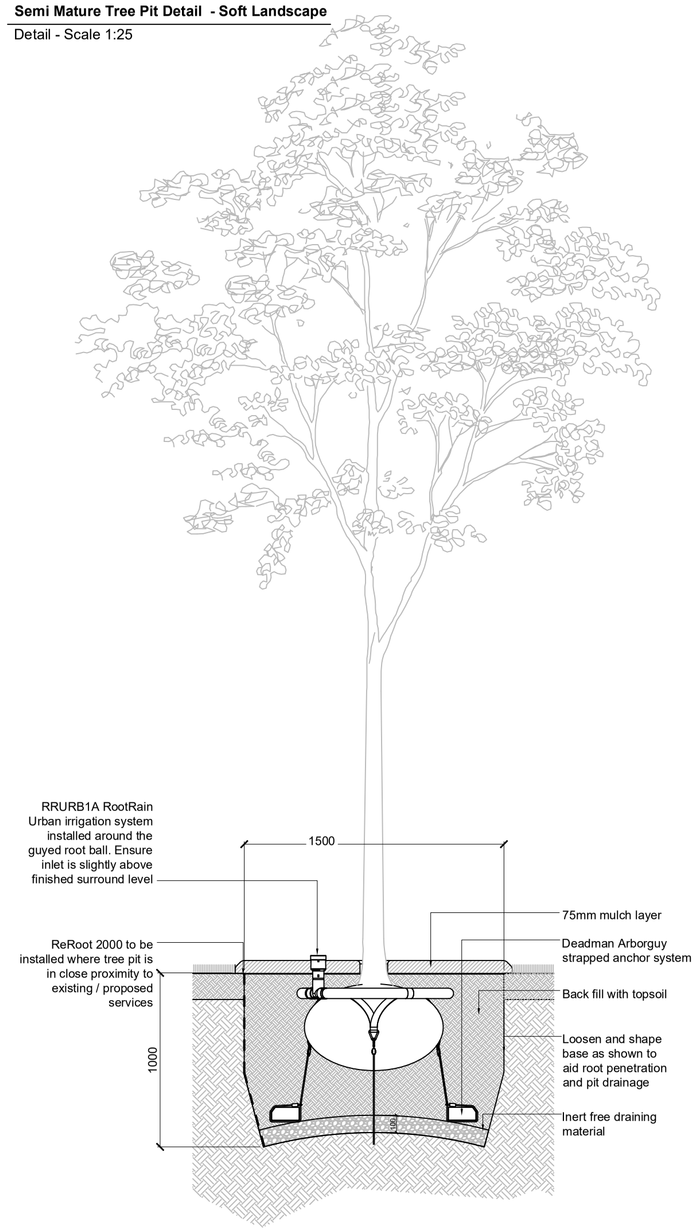
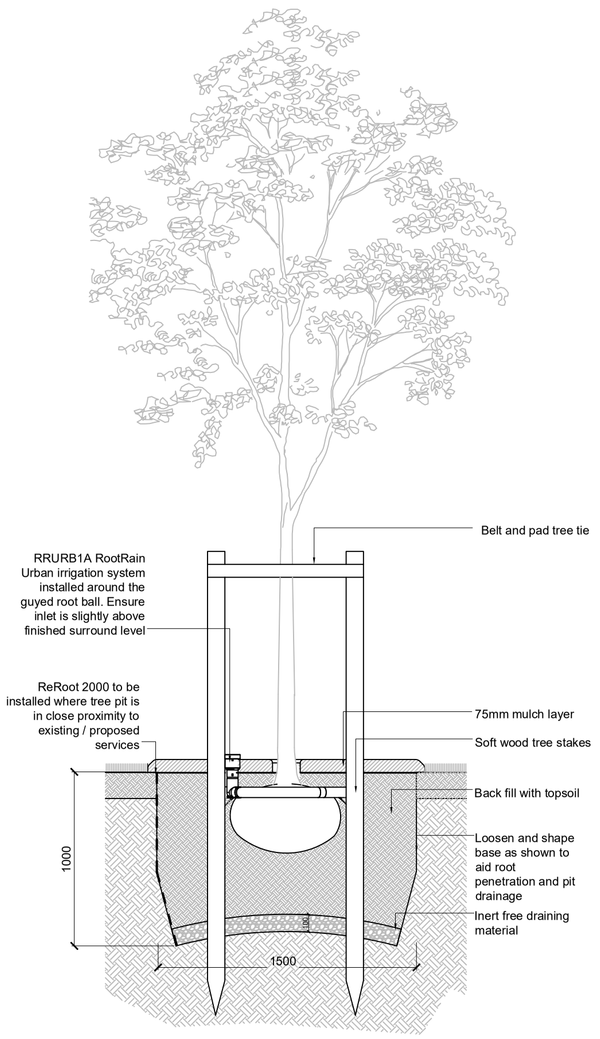
Semi Mature Tree Pit Detail - Soft Landscape

Detail - Scale 1:25



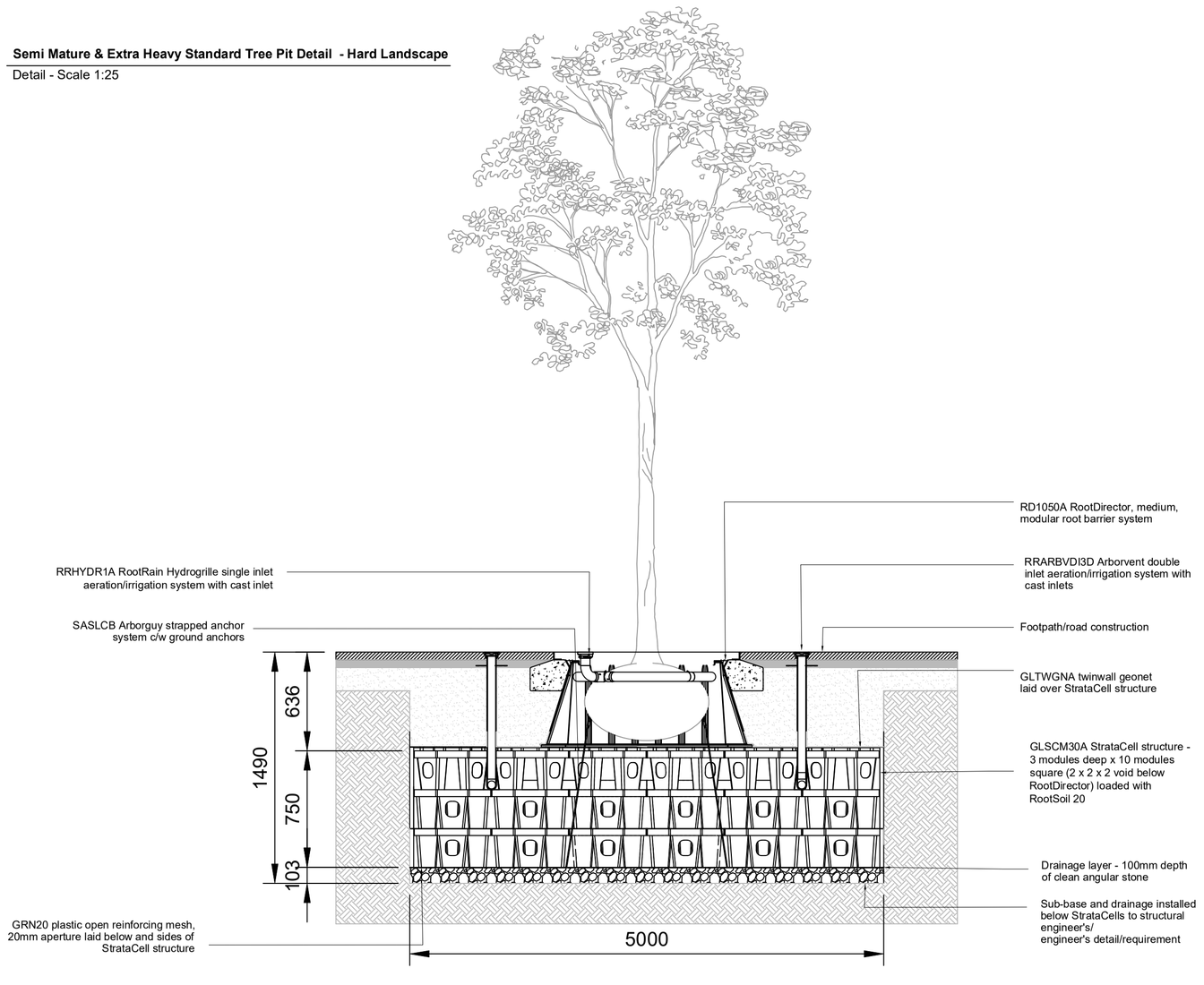
Extra Heavy Standard Tree Pit Detail - Soft Landscape

Detail - Scale 1:25



Semi Mature & Extra Heavy Standard Tree Pit Detail - Hard Landscape

Detail - Scale 1:25



LANDSCAPE SPECIFICATION NOTES

General

All plant material will comply with BS 3936 1: 1992, BS 4043:1989 and BS 8545: 2014 or European equivalents. All planting shall be UK grown and obtained from a reputable and approved nursery.

Plant material should be fully hardy and be free from pests and diseases. All plants shall have well developed branches with a good fibrous root system. They shall be good bushy specimens, shrubs to have a minimum of three stems in the lower third.

The Landscape Architect is entitled to inspect the plants at the place of supply prior to delivery and can reject during inspection, any material which does not meet the specification.

Implementation shall begin during first planting season available, following completion of the hardworks.

Existing Tree Protection

Areas of existing individual trees on the site will be protected by the use of stout fencing erected at a specified distance from the base of the trees, as per Arboricultural Consultants Tree Survey and Arboricultural Implications Assessment, to British Standard 5837:2012.

All tree protection fencing will be erected prior to the commencement of the development. This fencing will be regarded as inviolate. Once erected the fencing will remain in situ and will not be removed or altered without the prior consent of the LPA's Arboricultural Officer in consultation with the Landscape Architect / Arboriculturist.

Prior to and during all construction works on site no spoil or construction materials will be stored within the crown spread of any tree on, or adjacent to the site; even if proposed development is to be within the crown spread. Any encroachment within this protected area will only be with the prior agreement of the LPA's Arboricultural Officer.

Ground Preparation

Areas to be planted should be decompacted and thoroughly broken up by machine before any topsoil is spread. Areas within 10m of tree trunks should be broken up by hand, taking care not to damage any roots. Topsoil should be spread to a minimum of 350mm in planting beds and 150mm under grass areas. After settlement, finished topsoil levels should be 80mm below top of kerb to accommodate bark mulch. Topsoil in grass areas should be spread so as to be 20mm below any adjacent paved areas or kerbs after settlement to allow for turf. Final topsoil levels will be finished by hand to ensure smooth profiles, avoiding ruts, depressions or high spots. Areas shall be married into existing areas allowing for settlement.

Existing and imported multipurpose topsoil shall confirm to BS 3882:2015. A Declaration of Analysis sheet should be supplied if requested by the Landscape Architect.

A herbicide should be applied prior to planting, in accordance with the manufacturer's specification, the 1997 Control of Pesticides Regulations and the 2003 COSHH regulations. This should be applied by suitable spraying apparatus to all beds except those that are free from herbs. If weeds are present, the area should be sprayed immediately. If no weeds are present but there is to be a delay before planting then spray one month after cultivation of the soil to allow dormant weed seeds to germinate. All spraying shall be carried out by a qualified operative using the correct protective clothing in non-windy conditions. Any damage cause by spray drifting or from incorrect use or spillage of the product shall be rectified at the contractor's own cost. Applications should be repeated as necessary and the all dead matter removed from site.

Fertilise beds with a slow-release fertiliser at the a rate in accordance with the manufacturer's instructions.

Topsoil

If acceptable, topsoil shall be taken from stockpiles on site or imported from an approved source. Imported soil shall be a loam type, to BS 3882:2015, be free of contamination and contain a maximum of 15% clay or silt fines. A topsoil sample shall be provided with topsoil structure analysis for general landscape purposes. Topsoil from stockpiles on site shall have been loose tipped, not piled above 2.5m and shall have not have been compacted by site plant. All topsoil heaps shall be regularly treated with herbicide and again prior to use, to prevent the spread of unwanted seed banks.

Setting Out

Planting of trees, hedgerows, shrubs and specimens shall be set out exactly as shown on this plan. No substitutions will be accepted without the prior agreement of the Landscape Architect. The contractor shall replace immediately at his own cost any stock size, species or variety of plant which has not been specified on the planting schedule, unless agreed by the Landscape Architect.

Shrub and Herbaceous Planting

All plants shall be healthy, disease free, not pot bound, leggy or spindly. Any plants not conforming to this specification will be lifted and replaced at the contractor's own expense. In all cases where the shrub height is described in the schedules this shall be measured from the root collar the top of the main canopy. The spread of a plant shall be related to the body of the canopy.
Shrubs will have been cut back if necessary to give a bushy form with three to four shoots. Usually container grown specimens are specified, and these shall irrespective of time of planting, have been established in a container long enough for substantial new root growth to have been produces within the container. Herbaceous perennials shall have well-formed root systems which fill the container without being root bound.
All shrubs and herbaceous plants shall be watered in on planting with 20 litres of water per square metre. If circumstances present drought or flood conditions, the contractor will confirm requirements with Landscape Architect.

Hedgerows

Where shrub planting is specified within hard landscape areas, especially where less than 1m wide, haunching to kerbs shall be controlled by shuttering to avoid spread into planting areas and to maximise planting space between kerbs. Hedgerow plants shall be planted in the centre of a prepared trench a minimum of 750mm wide and 300mm deep at a rate specified in Plant Schedule. Following planting the top of the hedgerow plants shall be pruned as required with secateurs to create a straight level top to the hedge.

Tree Planting

Where tree planting is specified within hard landscape areas, the trees should be guyed, with use of structural soil system such as Stratacell or similar approved.

Where tree planting is within soft informal areas, trees are to be double staked for heavy standard and guyed for semi mature trees.

All trees shall be supplied as the species and stock size indicated on the planting plan and planted in the locations shown. All trees shall have a single clear leader with a straight trunk and balanced crown.

Prior to the planting, slow release fertilizer and mycorrhizal should be applied to each tree pit as per manufacturer recommendations. All trees pits should be fitted with a perforated watering tube to sit around the top of the rootball to allow efficient watering. Include an end cap and top cap or vent to prevent entry of vegetative litter or vermin. Trees shall be watered in with 25 litres each and then with a further 25 litres every week during dry periods during the first 12 months of establishment. If circumstances present drought or flood conditions, the contractor will confirm requirements with the Landscape Architect.

Grass Areas

Amenity seed mix shall be Germinal grade A19 mix or similar approved.

Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Levels to be graded to form finished levels as indicated in section "Topsoil". Roll, fertilize at 50g/sq. m 10-14days prior to seeding, sow at a rate of 5 g/sq. m and lightly rake. First cut to be undertaken when grass reaches 50mm.

Mulching

Bark Mulch - After planting, supply and spread a mulch to a depth of 75mm over all planting areas.
(1) The bark should consist of even nominal particle size distribution of 5-35mm with minimal dust and fines and less than 5% wood content.
(2) The ph to be between 4.5 and 5.5
(3) The bark shall be pest, disease and weed free and not have been treated with methyl Bromide or any additives
(4)The bark should be Forest Stewardship Council (FSC) certified
(5)The bark shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance and be classified as having 'low' potential burn.

Site Maintenance and Management

The Landscape Contractor shall maintain the site for a period of 12 months, after which time the residents, a Management Company or relevant Adopting Authority will take over annual maintenance and management.

For the duration of the 12 month Maintenance Period, all planted areas will be kept free of weeds. All plants that are found dead, diseased or dying at the end of the first growing season shall be replaced at the contractors own expense in the next available growing season, similarly any trees that show clear evidence of failure during the first 12 months will be replaced at contractors own cost. Areas of turf that have not become successfully established shall be re-laid in the next available season.

All enclosures such as railings, gates, walls and fences shall be maintained in good order in perpetuity. All bark and gravel mulch should be topped up annually to maintain specified depths, as required. Tree stakes, underground guy systems and ties should be checked and adjusted quarterly and stakes removed after the tree has been established, usually at the end of the first year in place.

	Appendix 1: Year 1 Maintenance Schedule
	Description
	During the initial twelve month period after Practical Completion Allow for 22 maintenance visits comprised of 18 during the growing season and 4 during the dormant season. A visit is defined as the period of time required by the Contractor to carry out all maintenance items specified in the Schedule below.
1	**General**
A	Tidy up all areas; remove rubbish, litter, etc from planted and grassed areas. Repeat at each maintenance visit
B	Check that plants are firmly seated and firm in where required. Six times total
C	Treat pests and diseases as necessary by agreement with the Contract Administrator.
D	Prune trees and shrubs as necessary to avoid conflict with footpaths, grass mowing, etc.
2	**Tree Planting**
	Check and adjust tree anchors as necessary. Water and feed as necessary. Prune dead and damaged wood.
3	**Hedgerows**
A	Keep areas clear of weed growth by spot treating with herbicide as appropriate from mid-April to October. Four times.
B	Check all tube/spiral shelter guards and refirm or replace as required. Remove any weed growth from within if necessary. Four times total.
4	**Shrub Planted Areas**
A	Water ornamental shrub beds as required to maintain healthy growth.
B	Prune shrubs as required to achieve desired form and prevent vigorous species smothering less aggressive species.
C	Prune dead, dying or diseased wood from plant material.
D	Keep shrub areas clear of weed growth by hand pulling weeds and spot treating with herbicides as appropriate for persistent, deeply rooted weeds such as dock, thistle or dandelions. 12 times.
E	Apply a slow-release fertiliser, such as Enmag CRF, composition NPK 11-22-9 Mg 6 or equivalent, to shrub areas at a rate of 30gms/m² in spring. Once only (timing to be agreed with Contract Administrator).
F	Edge up planted areas to maintain soil level 25mm below adjacent hard surfaces and kerbs. Soil washed onto hard surfaces to be cleared off. Repeat at each maintenance visit.
G	Lightly cultivate all shrub beds, breaking up soil evenly. Once only. Timing to be agreed with the Contract Administrator.
5	**Grass**
A	Water grass as needed to achieve establishment and maintain healthy growth. (Between late April and end of June (late Spring/early Summer)
B	For verges and general amenity areas grass areas shall be cut fortnightly from Mid-March until the end of October. Reduce frequency to every 21 days in hot and dry weather. Allow for a maximum of 12-15 cuts per year. Cut to a height of 35mm, but increase to a height of 50mm in hot dry weather.

Appendix 2 Maintenance Schedule for Years 2-10 and onwards					
Item of Work		**Year 2**	**Year3**	**Year4**	**Year 5 - 10 and onwards**
General					
Tidy up areas removing rubbish, litter etc from planted and grass areas		•	•	•	•
Treat pests and disease as necessary		•	•	•	•
Check plant material is firmly in place and firm in where required		•	•	•	•
Dead, dying or disease wood to be pruned out		•	•	•	•
Removal of diseased or dead plants and planting of replacements as appropriate		•	•	•	•
Tree Planting					
Prune water and feeds as necessary.		•	•	•	•
Removed dead, dying or diseased branches. Works to be carried out by an Arboricultural Associated approved contractor in accordance with BS3998: Recommendations for Tree Work.		•	•	•	•
Planted Areas					
Weed growth to be controlled by mechanical and herbicidal means: Ornamental shrubs Hedgerows		 12 Visits 14 Visits	 12 Visits 14 Visits	 12 Visits 14 Visits	
Prune shrubs as necessary to maintain shape and prevent vigorous species smothering less aggressive species also to prevent overhanging onto areas of hard paving		•	•	•	•
Water all ornamental shrubs as necessary to maintain healthy growth		•	•		
Apply fertiliser as appropriate to ensure establishment of planting			•		
Edge up planted areas to maintain soil levels 25mm below adjacent hard surfaces and kerbs. Soil washing onto hard surfaces are to be cleared off		•	•	•	•
Grass Areas					
Application of fertiliser and selective weedkiller as appropriate		•	•	•	•
Reseed worn areas		•	•		
Cut fortnightly from Mid-March until the end of October. Reduce frequency to every 21 days in hot and dry weather. Allow for a maximum of 12-15 cuts per year. Cut to a height of 35mm, but increase to a height of 50mm in hot dry weather.		•	•	•	•

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Contractors must check all dimensions from site

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Notes:-

PLANTING TIME OF YEARS:

All planting will be carried out in the next availbale planting season at the appropriate time of year where possible:

Deciduous trees and shrubs: late October to late March.
Conifers and Evergreens: September/October or April/May
Herbaceous plants: September/October or March/April
Container grown plants: at any time if ground and weather conditions are favourable.
Dried bulbs, corms and tubers: September/October

REV.	DATE	DESCRIPTION	DRAWN	CHK'D
P06	16/04/21	PLANNING	MS	ME
P05	17/03/21	PLANNING	MS	ME
P04	05/03/21	PLANNING	MS	ME
P03	14/02/18	PLANNING	MS	AT
P02	26/06/17	PLANNING	MS	AG
P01	20/01/17	PLANNING	MS	AG

URBAN GREEN

A: Ground Floor, The Tower, Deva City Office Park, Trinity Way, Manchester M3 7BF

T: +44 (0) 161 312 3131

weareurbangreen.co.uk

Client: St Modwen

Project: Kirkby Shopping Centre

Title: Landscape Supporting Notes

Issue: PLANNING

Drawn:	Checked:	Approved:
MS	AG	MT
Project: 11277	**Scale @ A1:** 1:25	**Date:** 20/01/17
Dwg No: UG_11277_LAN_LSN_DRW_08		**Revision:** P06