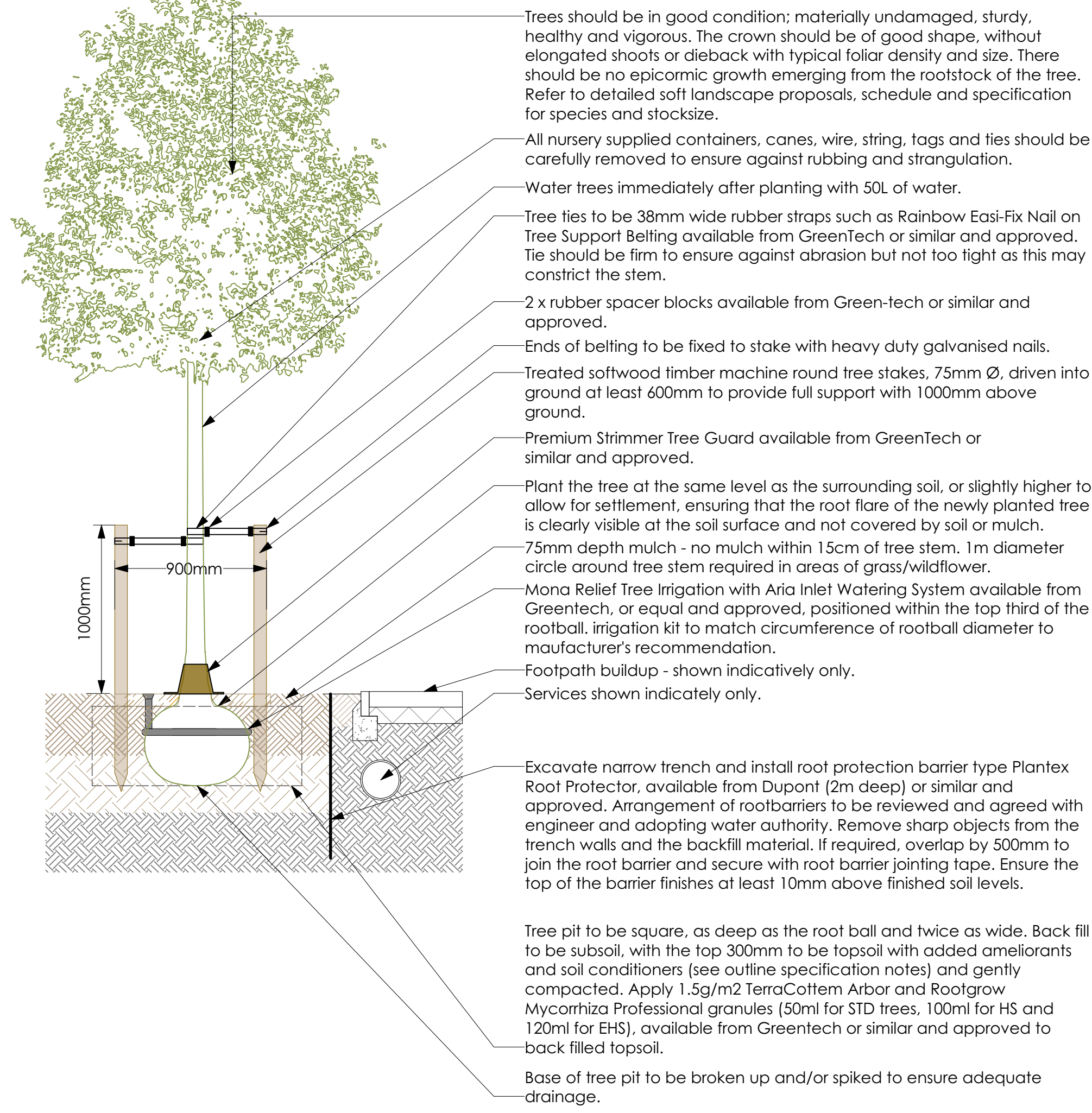


Plant Schedule						
Latin Name	Common Name	ID	Qty	Container (Litres)	Height (cm)	Specifications
Shrubs						
Aucuba japonica 'Crasifolia'	Spotted Laurel 'Crasifolia'	AUC-CRA-5L	24	5L	30-40	Bushy; 4 brks
Choisya ternata	Mexican Orange Blossom	CHO-TER-10L	33	10L	40-60	Bushy; 7 brks
Euonymus alatus 'Compactus'	Winged Spindle 'Compactus'	EUO-COM-5-7.5L	9	5-7.5L	60-80	Branched; 5 brks
Euonymus fortunei 'Emerald Gaiety'	Spindle 'Emerald Gaiety'	EUO-GAI-5-7.5L	24	5-7.5L	25-30	Bushy; 9 brks
Fatsia japonica	Japanese aralia	FAT-JAP-10L	8	10L	60-80	Leader
Hebe pinguifolia 'Sutherlandii'	Shrubby Veronica 'Sutherlandii'	S-HEB-SUT-3L	3	3L	30-40	Bushy; 5 brks
Hebe rakaiensis	Rakai Hebe	HEB-RAK-5-7.5L	32	5-7.5L	20-30D	Bushy; 7 brks
Hebe 'Red Edge'	Shrubby Veronica 'Red Edge'	HEB-EDG-3L	18	3L	20-30	Bushy; 5 brks
Hydrangea paniculata 'Bomshell'	Hydrangea 'Bomshell'	HYD-BOM-5L	15	5L	30-40	Branched; 5 brks
Hydrangea quercifolia 'Alice'	Oak-leaved Hydrangea 'Alice'	HYD-ALI-10L	29	10L	40-60	Branched; 5 brks
Osmanthus heterophyllus 'Goshiki'	False Holly 'Goshiki'	OSM-GOS-10L	18	10L	40-60	Bushy; 5 brks
Pachysandra terminalis	Japanese Spurge	PAC-TER-3L	40	3L	15-20D	Several shoots; 9 brks
Sarcococca hookeriana var. humilis	Dwarf sweet box	SAR-HUM-5L	26	5L	25-30	Bushy; 6 brks
Skimmia japonica 'Rubella'	Japanese Skimmia 'Rubella'	SKI-RUB-10L	15	10L	40-60	Bushy; 5 brks
Skimmia x confusa 'Kew Green'	Skimmia 'Kew Green'	SKI-GRE-5L	20	5L	30-40	Bushy; 4 brks
Spiraea japonica 'Little Princess'	Japanese Spiraea 'Little Princess'	SPI-PRI-3L	16	3L	30-40	Bushy; 6 brks
Viburnum opulus 'Compactum'	Compact guelder rose	VIB-COM-3L	12	3L	30-40	Bushy; 4 brks
Perennials, Ferns & Ground Cover						
Geranium nodosum 'Clos Du Coudray'	Cranesbill 'Clos Du Coudray'	GER-CLO	44	2L		Full pot
Helleborus orientalis	Lenten Rose	HEL-ORI	28	3L		Full pot
Polystichum setiferum	Soft Shield Fern	POL-SET	30	3L		Full pot
Salvia nemorosa 'Caradonna'	Balkan Clary 'Caradonna'	SAL-CAR	32	2L		Full pot
Salvia officinalis 'Icterina'	Sage 'Icterina'	SAL-ICT	20	2L		Full pot
Tiarella wherryi 'Green Velvet'	Wherry's Foam Flower 'Green Velvet'	TIA-VEL	28	2L		Full pot
Ornamental Grasses						
Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass 'Karl Foerster'	CAL-FOE	28	3L		Full pot
Carex morrowii 'Irish Green'	Morrow's sedge 'Irish Green'	CAR-GRE	48	3L		Full pot

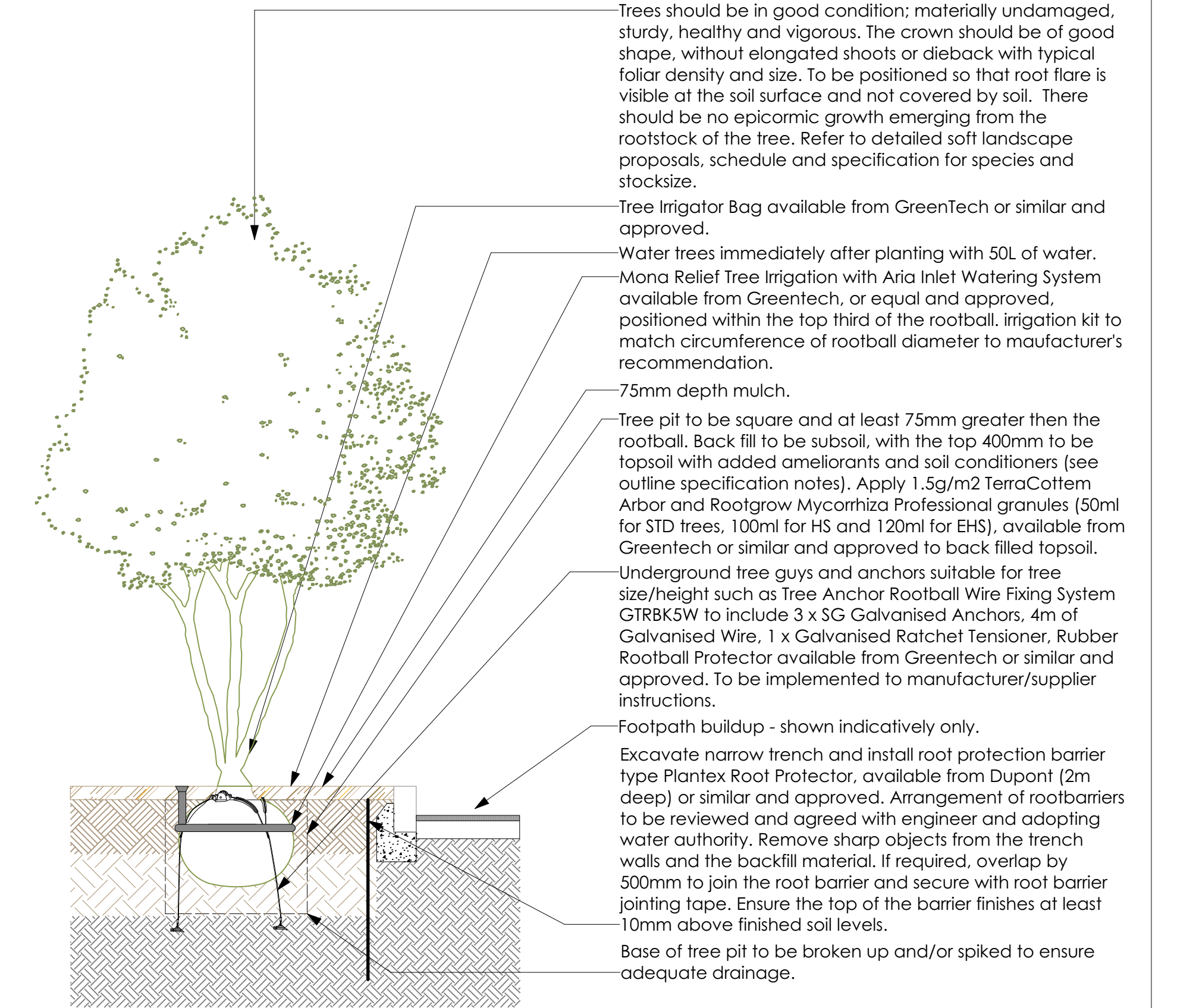
Latin Name	Common Name	Qty	Container/ Root condition	Height (cm)	Girth (cm)	Specification	
Trees							
Acer campestre 'Streetwise'	Field Maple 'Streetwise'	1	RB	350-425	12-14	3x; HS: clear stem min. 200cm; 5 brks	
Carpinus betulus 'Lucas'	Common Hornbeam 'Lucas'	3	RB	350-425	12-14	3x; HS: clear stem 175-200cm; 5 brks	
Corylus avellana	Common Hazel	1	45-65L	200-250		Multi-stem; bushy; 5 stems minimum	
Crataegus prunifolia 'Splendens'	Broad-leaved Cockspur Thorn	2	RB	300-350		3x; Multi-stem; bushy; 3 stems minimum	
Fagus sylvatica 'Dawyc Purple'	Purple Dawyc Beech	2	RB	350-425	12-14	3x; HS: clear stem 100-150cm; 5 brks	
Sorbus aucuparia 'Cardinal Royal'	Rowan 'Cardinal Royal'	2	RB	350-425	12-14	3x; HS: clear stem 175-200cm; 5 brks	
KEY:							
B = Bare-rooted and bagged			FTH = Feather		HS = Heavy Standard		
brks = Minimum number of breaks or shoots			LS = Light Standard		EHS = Extra Heavy Standard		
RB = Root-balled			S/Std = Standard		AHS = Advanced Heavy Standard		
L = Container size in litres			SS = Select Standard		SM = Semi Mature		
1+0 = 1 year seedling not transplanted			Whips, rootballed and bagged trees should only be planted during the dormant season (October-March). Otherwise only containerised stock will be accepted.				
1u1 = 2 year seedling undercut after the first year							
1+1 = 2 year seedling transplanted after the first year							
1+2 = 2 year seedling transplanted after the first year							
Landscape Areas			Seed Mix/ Turf Specification/ Area Notes			Rate	
Existing Ornamental Planting		277.6 sq m	To be retained and protected.				
Planting bed - Bark Mulch		152 sq m	To relieve ornamental planting (refer to planting proposals for details) and ornamental bark mulch.				75mm depth

For detailed green roof specification refer to architects proposals.

TREE PIT DETAIL - TREES PROPOSED IN GRASS AREA - DOUBLE STAKED WITH ROOTBARRIER



TREE PIT DETAIL - MULTI-STEM TREES PROPOSED IN SOFT LANDSCAPE AREAS WITH UNDERGROUND GUYING AND ROOTBARRIER



Outline Specification Notes

- Setting out - Check that all setting out conforms to the plan before cultivation and planting works are carried out. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine the correct course of action. The arrangement of all beds will be checked by the inspecting landscape architect and where it is not as drawn, the works will be rejected and the contractor shall re-cultivate them to the specified arrangement at the contractor's expense.
- Notice - Give one weeks notice before: Setting out; applying herbicide; applying fertilizer; delivery of topsoil/subsoil; delivery of plants/ trees; planting shrubs and trees into previously dug pits; watering; visiting site during maintenance period.
- Imported topsoils - Shall be of high quality, conforming to BS 3882:2015 for planting beds. Soil texture class: sandy loam, loam (maximum 20% clay). Do not firm, consolidate or compact topsoil when laying. Preserve a friable texture of separate visible crumbs wherever possible. Topsoil shall be laid to the following minimum depths:
 - 150mm below new grass areas;
 - 300mm beneath new shrub areas.
- Subsoil surface preparation for ornamental planting beds - Excavate and/ or place fill to required profiles and levels. When ground conditions are sufficiently dry to allow breaking up of soils, loosen thoroughly to a depth of 450mm. Remove from site stones larger than 50mm and any arisings, contamination and debris. Do not use mechanical tools within 1000 mm of tree and plant stems.
- Soil amelioration - A 50mm layer of PAS100 certified should be worked into the top 100mm of topsoil within areas of ornamental planting beds.
- Ensure soil of all planting beds is graded to a level of at least 85mm below adjacent paved surfaces to ensure bark or wood chip mulches are retained.
- Following planting supply and spread evenly Ornamental bark mulch (available from Melcourt industries or similar and approved) to a depth of 75mm, over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns.
- General plant and tree condition - All plants and trees should be in good condition; materially undamaged, sturdy, healthy and vigorous.
 - Appearance: Of good shape and without elongated shoots. All foliage should be free of significant leaf lesions or abnormal discolouration. Tree crowns should be free of dieback. Foliar density and size should be typical of species and/ or cultivar. The main trunk/ stem of the tree should be free of abnormal/ excessive adventitious bud development. Main trunk/ stem of tree should be free from any significant untypical flattening with no indication of strangulation from ties or labels. There should be no epicormic growth emerging from the rootstock of the tree.
 - Form: All trees should have a clearly defined strong leader. All lateral branches should be subordinated to the leader and should never be more than 25% of the diameter of the main stem of the branch union. All formative pruning wounds should exhibit healthy and continuous bark occlusion with all pruning cuts made leaving the branch collar clearly visible and intact on the main stem. All branches which are poorly attached, are inward growing or cross and rub other branches should be removed and subordinated to the central stem.
 - Hardiness: Grown in a suitable environment and hardened off.
 - Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
 - Budded or grafted plants: Growth between stock and scion wood should be equitable with no disproportionate growth apparent between the two. At no time during the production process should the bud union have been below soil level.
 - Root system and condition: Balanced with branch system.
- Containerised Plants and Trees -
 - Growing medium: With adequate nutrients for plants to thrive until permanently planted.
 - Plants: Centred in containers, firmed and well watered.
 - Root growth: Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting. Should be free of root circling or root girdling. Root flare should be clearly visible on the surface of the container.
 - Containers: With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.
- All plants shall be true to name, forms, dimensions, provenance and other criteria specified in the schedule of plants and adhere to the minimum number of breaks as determined in the plant schedule and/ or HPA National Plant Specification. Any stock failing below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.
- Substitutions - Submit alternatives where plants/ trees are unobtainable or known to be likely to be unobtainable at time of ordering. Approval must be obtained before making any substitutions.
- Biosecurity, labelling and documentation -
 - All plants must be grown in the United Kingdom for at least one growing season (or as required for biosecurity purposes) unless otherwise approved.
 - All plants and trees, on delivery to site must be clearly labelled with their full botanical name; supplier's name; employer's name and project reference; country of origin and plant specification, in accordance with scheduled National Plant Specification categories.
 - Plant passports must be supplied and retained as required by the APHA and for all plants on the EU Xylella fastidiosa host list.
 - Source from known suppliers or visit suppliers to view their processes, procedures, bio-security arrangements and the plants they grow and provide evidence.
 - Make sure that imported plants both originate from and are sourced from disease free areas.
- Time of year and conditions acceptable for planting -
 - All reasonable care should be taken to ensure that planting takes place in the best conditions to ensure that plants establish well and thrive.
 - Soil should be moist, and not waterlogged or frozen.
 - The best time to plant most containerised plants is in mid-autumn or early/ mid spring although with careful watering and aftercare planting of containerised plants can take place year round in good conditions.
 - Rootballed and bareroot plants can only be planted in the dormant season from late October to March (in good conditions). When the programme requires planting to be carried out outside of these times, all rootballed and bareroot plants must be substituted for equivalent container grown plants.
 - Plant bulbs, corms and tubers in autumn (late september/ october) unless otherwise recommended by sound horticultural advice.
- Planting Pits -
 - Trees and shrubs to be planted in pits 75 mm wider and deeper than root system. Break up the bottom of the pit to a depth of 150 mm, incorporate soil conditioner to topsoil backfill. Apply 1.5g/ltr of growing media 'TerraCottem Arbor' and 'Rootgrow Mycorrhiza Professional' granules (50ml for STD trees, 100ml for HS and 120ml for EHS), available from Greentech or similar and approved to topsoil backfill. Where soils are compacted, free pits should be decompactd through excavating a wide, shallow free pit a minimum 1.5m wide & 4m2 in area by 300-400mm deep, and loosening/ breaking the subsoil layer at the base of the pit for a further 300-450mm. Lightly firm soil around plants.
- Plant Handling, Transport & Storage -
 - Protect from frost.
 - Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
 - Minimise storage of plants on site by arranging delivery immediately prior to planting. If storage on site is required, ensure the area is fenced off and protected from all other operations and storage. Adequate space should be provided for canopies to be kept clear. Trees should be well supported in an upright position to ensure no rubbing is caused to stems or damage to the crown. Plants and Trees should be regularly watered and checked twice daily.
- Watering -
 - For the first two years after planting proposed trees, mixed ornamental planting and amenity grass will require regular watering to ensure establishment.
 - Application: Even and without damaging or displacing plants or soil.
 - Period & frequency: Water during the growing season (mid March- early October) to be carried out on a weekly basis or more regularly as required by climatic conditions, such as hot, dry weather, wind and lack of rainfall. Water evergreens twice in winter.
 - Volume: When watering shrubs, the top layer of soil should be fully saturated. During the first season after planting apply 25L/week to HS trees. This may be increased or decreased depending on weather conditions.
- Standards - Landscape works to be carried out in accordance with the relevant current British Standards (including current revisions of 4428, 3936 & 5837); National Planting Specifications Guidelines; Horticultural Trades Association Standards (including 'Handling and establishing landscape plants' part 1, 2 & 3); CPSE 'Plant Handling' Standards & COSHH Regulations.

General Notes

Contractor must verify all dimensions, levels and existing service alignments on site before commencing any work or shop drawings. Any discrepancy concerning the drawings/quantities should be referred to the Landscape Architect immediately. Only figured dimensions to be taken from this drawing. Do not scale off this drawing. All landscape drawings to be read in conjunction with the landscape specification and all relevant engineer's and architect's drawings/specifications. Drawings should not be used to tender from without confirmation from the Landscape Architect. This drawing is Copyright and must not be reproduced without consent of Guarda Ltd.

T03 05/12/24	Revised to clients comments	JH	EM
Rev	Date	Comments	Dr C

			
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Client			
Morgan Sindall Group			
Site			
Civic Offices, Reading			
Drawing Title			
Landscaping Schedule, Details and Outline Specification			
Scale		Status	
N/A		Tender	
Project	Drawing Number	Revision	
2409	GUA-40-000-D-L-90101	T03	
Drawn	Checked	Date	
JH	EM	May 2024	
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