

**PLANNING NOTES (SOFT LANDSCAPE):**

1. **SOILS:** Subgrade / subsoil to be prepared in accordance with BS 8601:2013 and BS 4428:1989 and scarified or ripped to 300mm depth (excluding root protection areas of retained trees refer to Tree Protection Plan) prior to spreading topsoil to alleviate compaction and promote drainage. Imported and as saved topsoil to be in accordance with BS 3882:2015 Multipurpose Grade with minimum soil organic matter contents 1% greater than the minima value (or as approved). Imported topsoil (and as saved if requested) is to be laboratory tested to BS 3882:2015 and ameliorated as required to meet the required characteristics as detailed within Table 1 of BS 3882:2015 specification. Grass areas to be a minimum depth of 150mm. Shrub beds 450mm depth. Any weed / grass growth to be sprayed out with appropriate herbicide at least 10 days prior to cultivation. All areas to be cultivated to a minimum depth of 150mm removing weeds and rubbish / stones greater than 20mm in size. Incorporate proprietary non peat compost to BS1 PAS 100 to 50mm depth evenly worked into soil during cultivation.

N.B Proposed services (electric, water, gas etc) in landscape areas should be installed as a minimum below the required topsoil depths and clearly identified in accordance with service / utility requirements.

2. **BUILDING FOUNDATION DESIGN:** All tree and shrub planting proposals are to be referred to by the structural engineer during building foundation design.

3. **PLANT STOCK:** Unless agreed otherwise all trees and shrubs are to be of UK provenance where plants have been propagated and/or grown on for a minimum of 5 years in the UK for trees and 2 years for shrubs. All plants are to comply with the requirements of all current British Standards including BS3938 'Specifications for Nursery Stock' and BS8545 'Trees from nursery to independence in the landscape' and be supplied in accordance with the Plant Schedule. Should planting be required outside of the planting season (November - March) any bare root or rootballed stock specified is to be replaced with containerised stock to an appropriate or similar specification to the approval of the landscape architect prior to ordering.

4. **EXISTING TREES:** Where trees are to be retained they should be subject to a full arboricultural inspection to assess condition and safety. Retained trees shall be protected from damage by erection of 2.3m weldmesh fencing on a scaffold framework in accordance with BS 5837:2012 Figure 2. These barriers shall be maintained in position and in good condition until works are complete. Fencing to be located in accordance with Table D1 at a radius of 12 times the stem diameter (single stem trees) or based on the combined stem diameter for multistem trees (trees with more than one stem arising below 1.5m above ground level) refer to Clause 4.6. Further precautions are to be taken as detailed within BS 5837:2012 6.2.4.

5. **TREE SURGERY / REMOVAL:** Tree surgery and tree removal to be carried out by an Arboricultural Association approved Tree surgeon in accordance with BS 3998:2010. Arisings to be removed to a licensed tip.

6. **TREE PLANTING:** All trees to be in accordance with BS 3936, BS8545 and The National Plant Specification - 'Rootballed Trees' recommendations. Trees to be planted in accordance with BS 4428:1989 staked and tied with webbing loops in prepared pits. Tree pits in open field / un-compacted ground conditions or shrub beds to be 1000mm x 1000mm (at least 75mm greater than that of the root system) with pit depth to be based on the planting depth of the tree (distance from root flare to underside of rootball) in accordance with BS 8545:2012. Topsoil and subsoil to be excavated and stored separately for reuse. Tree pit to be backfilled with stored subsoil and topsoil at depths to replicate the existing soil horizons. Topsoil to be mixed enriched with 40L of peat free tree planting compost. Root balls to be encircled by Root Rain Metro or similar irrigation pipe. Well water after planting. The base of trees to be planted in grass areas are to be covered with 75mm amenity grade bark mulch such as Melcourt 'Amenity' Bark Mulch (or similar approved by the landscape architect) to 1.0 metre diameter and kept weed free.

Generally all trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage or services. In locations close to footpaths and roadways linear root barriers Greenblue Urban, ReRoot or similar are to be installed in accordance with manufacturers instructions. Where proposed tree locations conflict with services, trees are to be relocated in accordance with the appropriate utilities guidance notes subject to client / local authority approval. Proprietary root barrier Greenblue Urban, ReRoot or similar to be installed in accordance with manufacturers instructions where relocation is not considered appropriate.

7. **SHRUB & HERBACEOUS PLANTING:** plants to be in accordance with BS 3936 and handled in accordance with NPS 'Handling & Establishment' guidelines and planted in accordance with BS 4428:1989. Nursery stock supplier to be approved by the Landscape Architect. All shrubs to have a minimum of three breaks, except Hedera with a minimum of two. Well water plants immediately after planting and prior to spreading of mulch. Planting areas to be covered with 75mm depth amenity grade bark mulch such as Melcourt 'Ornamental Bark Mulch' (or similar approved by the landscape architect) and kept weed free.

8. **CLIMBING PLANTS:** plants to be in accordance with BS 3936 and handled in accordance with NPS 'Handling & Establishment' guidelines and planted in accordance with BS 4428:1989. For non self supporting plants heavy duty tan timber trellis 1.8m x 900mm is to be installed. All plants to have a minimum of three breaks. Well water plants immediately after planting and prior to spreading of mulch.

9. **HEDGE PLANTING:** plants to be in accordance with BS 3936 and handled in accordance with the NPS 'Handling & Establishment' guidelines and planted in accordance with BS 4428:1989. Hedge plants to be pit planted. Well water plants immediately after planting and prior to spreading of mulch. Planted areas to be covered with 75mm depth bark mulch and kept weed free.

10. **TURFING:** Grass turf areas to be Tillers 'Arena' or similar approved cultivated turf to BS 3969 'Recommendations for Turf for general purposes' laid in accordance with BS 4428:1989. Prior to cultivation topsoil is to be free from perennial weeds, reasonably dry and workable and graded to remove all minor hollows or ridges and leveled as required with any debris or stones greater than 50mm diameter removed. Topsoil to be cultivated to full depth with top 25mm reduced to a fine tilth. Pre-turfing fertiliser to be applied in accordance with manufacturers instructions. Turf to be laid during appropriate weather conditions from planks with broken joints well butted up, pegged to slopes where required. Lightly consolidate and firm turf as laying proceeds. Fill joints with fine topsoil and thoroughly water after laying to avoid shrinkage.

11. **GRAVEL:** Gravel areas to be ornamental gravel, from local source 10-20mm, laid on geotextile membrane to a depth of 50-75mm.

12. **MAINTENANCE:** To be carried out at approximately monthly intervals during the defects liability / rectification period to include the following:

- a. Eradicate weeds by hand or appropriate chemical means.
- b. Cut out dead or / and damaged stock or branches, prune as required.
- c. Ensure all shrubs and trees are firmed in, securely staked and tied with guards where applicable.
- d. Collect litter, sweep and tidy site.
- e. Apply suitable non-residual herbicides, pesticides and water as required.
- f. Carry out mowing to grass areas when attained 100mm, cut to 35mm (50mm for shaded areas) approximately 2 week intervals during the growing season.
- g. At final visit apply granular fertiliser to all planted areas and top up bark mulch depth to 75mm.

13. **WATERING:** all plant material (including turf) to be watered in dry periods until established during April through to September with a fine rose until the water penetrates the topsoil to at least 5cm depth and achieves field capacity. Frequency of watering regime to be determined by weather conditions, soil conditions and underlying geology. All plant beds to be watered to ensure soil is consistently moist to promote successful establishment. As a guide only it is suggested that during hot, dry periods, plants are to be watered every six to ten days. For individual trees it is suggested that 18 watering visits per year are carried out commencing late March (prior to budburst) and utilising a minimum of 50 litres of water per tree. Soil probe to be used to determine soil saturation to full depth of root ball.

**Plant Schedule**

Hedging						
No.	Species Name	Specification	Cirth	Diameter	Height	Pot Size / Density
65	Viburnum tinus 'Eve Price' (*)	Bushy 5 brks :C :PG 1		30-40cm	SL	0.45CF

  

Conifers						
No.	Species Name	Specification	Spread	Height	Pot Size	Density
1	Cedrus deodara	Leader & laterals		130-175cm	25-35L	Counted
1	Taxus baccata	(Ac. Leader): Feathered to base		125-160cm		Counted

  

Shrubs						
No.	Species Name	Specification	Diameter	Height	Pot Size	Density
14	Berberis thunbergii 'Atropurpurea'	Branched 5 brks :C :PG 8		30-40cm	3L	2/m²
30	Cotoneaster 'Coral Beauty'	Bushy 4 brks :C :PG 8		30-40cm	3L	3/m²
7	Euonymus fortunei 'Emerald 'n' Gold'	Bushy 7 brks :C :PG 8		20-30cm	20-30cm	3/m²
19	Euonymus fortunei 'Emerald Gaiety'	Bushy 7 brks :C :PG 8		20-30cm	20-30cm	3/m²
22	Hedera colchica 'Arborescens'	Bushy 2 brks :C :PG 11		20-30cm	2L	4/m²
30	Hypericum x moserianum	Bushy 7 brks :C :PG 8		30-40cm	3L	4/m²
20	Mahonia aquifolium 'Apollo'	Branched 2 brks :C :PG 8		20-30cm	3L	4/m²
19	Pachysandra terminalis 'Green Carpet'	Several shoots 7 brks :C :PG 8		15-20cm	2L	4/m²
15	Prunus laurocerasus 'Otto Luyken'	Bushy 5 brks :C :PG 8		40-40cm	5-5L	3/m²
9	Skimmia japonica 'Rubella'	Bushy 4 brks :C :PG 8		30-40cm	5L	3/m²
17	Viburnum davidii	Bushy 4 brks :C :PG 1		30-40cm	5-7.5L	3/m²

  

Climbers						
No.	Species Name	Specification	Spread	Height	Pot Size	Density
3	Hedera helix 'Goldheart' (*)	Several shoots 5 brks :C:Coned :C :PG 11		100-150cm	10L	Counted

  

Herbaceous						
No.	Species Name	Specification	Diameter	Height	Pot Size	Density
10	Bergenia cordifolia 'Purpurea'	Full Pot :C :PG 18		2L	15/m²	

**LEGEND: SOFT LANDSCAPING**

- GROUND COVER: shrub & herbaceous ground cover planting.
- HEDGE: evergreen shrub hedge as detailed.
- SPECIMEN CLIMBERS: specimen climbing plants as detailed.
- GRASS: cultivated turf to frontages, existing areas to be made good with seed.
- ORNAMENTAL GRAVEL: gravel from local source; 50-75mm minimum depth; refer to notes.
- TREE PLANTING: tree planting with canopy spread illustrated at 25 years growth.
- EXISTING TREES: to be retained in accordance with BS 5837 'Trees in relation to Construction' 2012.
- TREES TO BE REMOVED

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**cdm 2015; designers residual risk information**

**LEGEND: CDM RESIDUAL RISKS**

- 1. VEHICULAR TRAFFIC: car parks and roads within or adjacent to working areas, risk of collision with operatives.

For further information please refer to the project Design Risk Assessment. It is assumed that works will be carried out by competent landscape subcontractor working, where appropriate to a risk assessment and method statement approved by the Principal Contractor.



**client:**  
MR T ROGERS

**project:**  
No.4 BEVERLEY COURT  
STOURPORT-ON-SEVERN

**title:**  
PLANTING PLAN

**status:**  
PLANNING

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