

LANDSCAPE SPECIFICATION

STOCKS LANE, BARNLEY

29/10/08

These notes are a summary of the main specification notes for landscape works (to be included with the main contract documents) and are for Planning purposes only.

HARD LANDSCAPE WORKS SPECIFICATION

Generally

The precise position and extent of the materials detailed below are indicated on the proposed site plans. Paved surfaces shall generally be laid to drainage fall of 1 in 60 minimum.

Footpaths, shall comprise the following typical specifications:

- Concrete Flags to be premium grade and hardwearing. Dimensions to be 200mm x 200mm for paths to front of property, 400x400mm for patio area to rear of property. Full bedding on sand and jointing with sand in accordance with manufacturers recommendations. Nominal thickness: 25mm when compacted. Joints: 2-4mm wide, brush filled with fine dry sand. 150mm deep Granular Sub-Base, Type 1 or equivalent over geotextile. Concrete flag materials and method of laying to comply with B.S.7263. Colour Buff.
- 'Buff' coloured 'Fibredec' (Fine natural gravel sealed in glass fibre and bitumen emulsion) or similar approved. Precast concrete edging/blocks. To be laid to manufacturer's specification.
- 20mm thick bitumen macadam Wearing Course. 50mm thick DBM Base Course. 150mm Type 1 Sub-Base. Maximum deviation of 8mm under a 3.0m straight edge. Edgings – 150 x 50mm pre-cast concrete path edgings to BS 7623: Part 1 or complementary concrete blocks. Bedded and haunched in concrete, butt jointed.

Specifications for access roads, vehicular access areas, car park areas and external lighting are detailed in the engineering specifications.

FURNITURE SPECIFICATIONS

Seats and Benches

- Timber Seat. Length 2000mm. Set into ground 200mm. All timber to be treated to give a 25yr service life.

Litter Bins

- Marshalls Modern Range, or similar, Circular model. Height 780mm, Diameter 500mm, 70 litre capacity. Colour Black.

Bollards

- 100mm diameter, 600mm high posts. Set into ground. Colour Black.

BOUNDARY SPECIFICATIONS

New fencing to site boundary where indicated on Proposed Site Plans

- 2.1m high Paladin weldmesh fencing. Fencing to be plastic coated green finish. Matching lockable single and double leaf gates.
- 1.8m high close board timber slatted fence with 50% 3m runs of 50mm gaps to allow through plant growth.

New fencing within site:

Fencing to the rear of properties

- 1.8m high close board timber slatted fence with 50% 3m runs of 50mm gaps to allow through plant growth.
- 1.5m high close boarded timber slatted fence. Matching lockable single leaf gates to be provided. Colour Black

Fencing to the front of properties

- 1.1m high railings.
- 0.655 m high railings located on 0.445m high dwarf wall to boundaries of properties which face onto the public open space. Matching lockable single leaf gates to be provided.
- 0.6m high timber knee rails as indicated on site plans. All timber to be stained black.

SOFT LANDSCAPE WORKS SPECIFICATION

Generally

All materials, goods and workmanship shall be the best quality of their respective kinds, and those for which there is a British Standard or Code of Practice shall comply therewith.

In regard to the timing of Horticultural Works, planting shall be carried out between November and March subject to suitable weather conditions. Bulbs shall be planted during October. Suitable weather conditions shall mean when the ground is moist but not wet and workable. Planting shall be suspended during periods of drought, when soil is frost-bound or waterlogged, during persistent drying cold winds or during any other conditions unfavourable to successful establishment.

Trees, Shrubs & Hedges

- BS 5236 – for Extra Heavy Standard, Heavy Standard Trees 3.6m high and over. BS 3936 - Part 1 for Feathered trees, Whips and Shrubs - All plants shall comply with this specification and the relevant parts of BS 3936 and shall be to the height and/or spread as detailed. They shall be well grown, bushy, healthy and well established nursery stock of good form, hardy, free from defects, furnished with a fibrous root system exactly true to name as specified. Hedge plants will be planted in two staggered rows and kept regularly clipped at the required height.
- Good quality topsoil (BS3882 1994) should be laid to the following depths:
Planting Areas 450mm
Grass Areas 150mm
- A 50mm depth of approved compost shall be incorporated into all planting beds. An approved slow release fertiliser will also be incorporated in accordance with the manufactures recommendations. Finished levels of topsoil shall be smooth with flowing gradients to match existing levels. All stones and deleterious material over 50mm shall be removed off site. A firm, friable, fine tilth shall be achieved, prior to any planting.
- Tree pits shall be excavated to the following dimensions:

Feathered Tree Pits 800mm x 800mm x 600mm
Standard Trees 800mm x 800mm x 600mm
Extra Heavy Standard Tree Pits 1000mm x 1000mm x 1000mm
- The tree pit should exceed the dimension of the root ball by 300mm in each direction. Mix 20% (by volume) approved compost into each pit to form a homogenous mix. An approved slow release fertiliser will also be incorporated in accordance with the manufactures recommendations.
- Final positions of trees and shrubs are subject to confirmation of service location and approval of statutory undertakers.

- Planting shall be completed during the appropriate season. Bare root material shall be planted during the November to March season.
- All planted areas will be thoroughly watered and covered by a 75mm layer of medium grade bark mulch.
- An approved slow release fertiliser shall be incorporated into all seeded and turfed areas in accordance with the manufacturer's recommendations. All stones and deleterious material over 50mm shall be removed off site. A firm, friable, fine tilth shall be achieved, prior to any seeding/turf works. Finished levels of seed/turf shall be smooth with flowing gradients to finish 25mm above existing levels.
- Any grass-seeded areas shall be sown with a low maintenance 'Amenity' grass seed mix at 35g per m², in transverse directions.
- The grassed areas shall be given an initial establishment cut, prior to commencement of the maintenance regime. All stones, etc, over 50mm shall be removed off site.

Origin of Plants, Certification and Labelling

- All plants shall have been obtained from a reputable nursery and grown within the British Isles for at least one growing season if stock of local provenance is not available. The contractor shall provide a Certificate of Local Provenance and confirmation that all plants supplied comply with the specification. Plant samples shall be approved on site by the Landscape Architect prior to planting. In all ecological gardens the collection will be tagged with waterproof durable labels as specified by the Landscape Architect.

Tree Stakes & Ties

- Feathered trees shall be secured with a single round pressure treated stake, 75mm minimum diameter, and secured with a suitable rubber cushion and tree tie. The tie shall be exactly 38mm from the top of the stake.
- All other trees shall be double staked, with 75mm minimum diameter pressure treated stakes, 100x30mm pressure treated timber cross bar, rubber cushion and suitable tree tie. All nail fixings to be galvanised clout nails.
- Tree stakes shall be straight peeled larch, ash or chestnut free from projections and pointed at one end. Impregnated with non-injurious timber preservative to at least 150mm above ground level and stained/painted black. The dimensions shall be 1800mm long x 75mm round x 1 per tree driven to finish 1000mm above ground level. Tree Ties shall be rubber or plastic webbing using spacer blocks or collars to hold tree clear from stake at all points. Blocks, which require a nail fixing, will not be permitted.
- Each stake shall have one tie fixed with 100mm of the top of the stake. Ties shall be fixed so that they cannot work loose and drop down the stake and tree.

Bulbs

- Bulbs, Corms and Tubers will be clean and healthy, sound and ripe, free from pests and diseases and true to the variety and type specified.

Mulch

- The mulch shall comprise matured British conifer bark with an even particle size distribution of 15 – 65mm with no dust or fines and less than 5% wood content. The mulch shall be matured for 16 weeks and naturally heat treated where temperatures have exceeded 50 degrees Celsius for a minimum period of 14 continuous days followed by a period of stabilisation. The pH shall be between 4.5 and 5.8. The mulch shall be pest, disease and weed free and free of Methyl Bromide contamination. Samples will be submitted for consideration and approval prior to use on site.

Peat Free Tree and Shrub Planting Compost

- Documentary evidence of the use of peat free soil materials must be supplied from nursery growers and suppliers for plants that are not soil grown. Organic composted material must be graded 25mm and free from biodegradable material.

Turfing

- Approved topsoil to be 150 mm thick is to be provided and spread by the contractor to all turf areas as specified on the drawings. At edges of sculptural mounds, material is to be applied and compressed as necessary allowing appropriate conditions for turf establishment. On mounds the turves are to be laid horizontally and secured with Greenstake biodegradable landscape stakes. Turf species mix to include; 25% Aberimp (perennial Ryegrass); 20% Raisa (Chewing Fescue); 35% Barcrown (Slender Creeping Red Fescue); 20% Limousine (Smooth Stalked Meadow Grass). All mounds will be to a gradient of 1 in 6 or less to allow ease of maintenance.

Seeding

- Seed mixtures from suppliers must contain varieties of British origin that are in the top ten recommended varieties listed by STRI 2000 with regards to wear and tear and establish in a wide range of soils.

Tree Protection Fencing and Temporary Protection to Planting

- As recommended by British Standard BS 5837:2005 existing vegetation and identified root zones to be protected by a vertical and horizontal, scaffold framework, well braced to resist impacts, with vertical tubes at no more than 3m intervals. These should be driven into the ground. Weldmesh panels should be affixed to this framework with scaffold clamps. Fence is to be maintained in good condition throughout the construction period. When 'soft

dig' 1m outside full extent of tree crown becomes available during works, tree protection should be re-positioned as standard. No work or storage will be undertaken within this area or fires lit in the vicinity of the canopy.