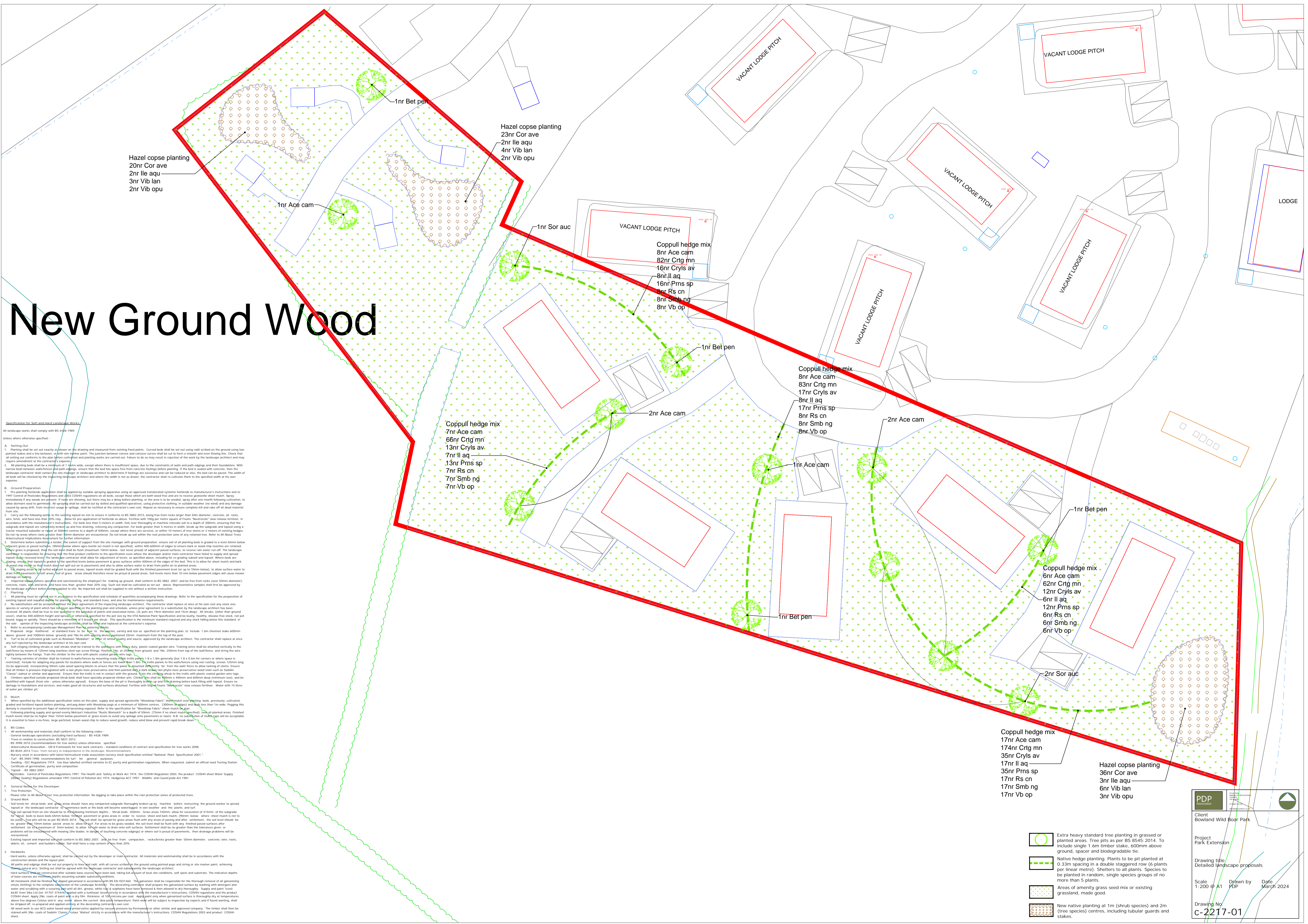


New Ground Wood



Specification for Soft and Hard Landscaping Works
 All landscape works shall comply with BS 4428:1989.

Unless otherwise specified:-

- A. Setting Out
- Planting shall be set out exactly as shown on the drawing and measured from existing fixed points. Curved beds shall be set out using radii scribbled on the ground using the pointed stakes and a line between the stake and the planting point. The junction between concrete and concrete curves shall be set out to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.
 - All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and path edgings and their foundations. With narrow beds between walls or path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is paved with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or else, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re-cultivate them to the specified width at his own expense.

B. Ground Preparation

- The planting herbicide application shall be applied by suitable spraying apparatus using an approved translucet systemic herbicide to manufacturer's instructions and to any Control of Pesticides Regulations and 2001 COSHH regulations on such beds, except those which are both weed free and to receive geotextile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by trained and qualified operatives, using protective clothing in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and take off all dead material from site.
- Carry out the following works to the existing topsoil on site to ensure it conforms to BS 3882:2015, being free from rocks larger than 50mm diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per metre square of Fisons "Neutrol" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 1 metres in width, fork over thoroughly or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 1 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or edger at 1000mm centres to a depth of 300mm, except where there are services, or within 10 metres of tree stems or 3 metres of existing hedges. Do not rip up areas where roots greater than 100mm diameter are encountered. Do not break up soil within the root protection zone of any retained tree. Refer to All About Trees for cultural regulations and seek further information.
- Determine before submitting a tender the extent of support from the site manager with ground preparation, ensure soil of all planting beds is graded to a level 450mm below adjacent grass or paved surface, 100mm below where aggregate subsoil is not specified, within 400-600mm of edges to ensure bark or wood chip mulches are retained. If grass is proposed, then the soil level shall be flush (maximum 10mm below) with the finished paved surface, to receive rain water run-off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and/or spread topsoil. Make necessary level corrections to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for short mounds and bark mulch. Ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for short mounds and bark mulch. Ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for short mounds and bark mulch. Ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for short mounds and bark mulch.
- Topsoil shall be applied to paved areas, topsoil levels shall be graded flush with the finished pavement level (or up to 10mm below), to allow surface water to drain through to the subgrade. Areas of grass areas should therefore never be ground of paved areas. Soil levels more than 10mm below pavement edges will cause water damage on paving.
- Topsoil shall be applied to paved areas and sanctioned by the employer for making up ground, shall conform to BS 3882:2001, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being applied to site. No imported soil shall be supplied to site without a written instruction.

C. Planting

- All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and regrading for grass, turfing, and standard requirements.
- No substitutions will be accepted without the agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety of plant which does not conform to the planting schedule, unless prior agreement to a substitute by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes. (5L pots are 16cm diameter and 15cm deep). All shrubs, other than ground covers, shall be 400-600mm height and 200mm or other as specified for the soil by the UK National Plant Specification and be healthy, healthy, disease free stock, not pot bound, laggily or spindly. There should be a minimum of 5 branches per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be rejected and replaced at the contractor's expense.
- Refer to accompanying Landscape Management Plan for watering regime.
- Proposed large feathered or standard trees to be planted to the species, variety and size as specified on the planting plan, to include 1.6m chestnut stake 600mm above ground and 1000mm below ground and 100mm diameter light duty development 20mm maximum from the top of the post.
- Turf to be of cultivated grade such as Rowston "Medwyn", or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at the contractor's cost.
- Soft-climbing climbing shrubs or wall shrubs shall be trained to the wall using heavy duty plastic coated garden wire. Training wires shall be attached vertically to the wallface by means of 125mm long stainless steel pin wire string. Insert 100mm x 100mm x 10mm generally flat 1.8 x 6.4m for corners or where space is restricted. Include for adapting any panels for locations where walls or fences are less than 1.8m. The trellis panels using open routing, screens 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panels are mounted securely. Run from the wall fence to allow watering or stems. Ensure that trellis is pressure impregnated with a preservative and then painted with a dark blue or black preservative wood stain such as Sadolin "Classic" within 2 weeks of installation. Ensure that the trellis is not in contact with the ground. Run the climbing shrubs to the trellis with plastic coated garden wire tags.
- Climbers specified outside ground level shall have specially prepared cedar cns. Climbers shall be 200mm x 40mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly filled up and compacted before back filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 100g per metre square of Fisons "Neutrol" slow release fertilizer. Water with 15 litres of water per climber pit.

D. Mulch

- When specified by the additional specification notes on this plan, supply and spread Agrotex "Weedstop Fabric" over all planting beds, previously cultivated, graded and fertilised topsoil before planting, and peg down with Weeding pegs at a minimum of 500mm centres, (300mm diameter) and be less than 1m wide. Pegging this fabric is essential to prevent frays of material becoming exposed. Refer to the specification for "Weeding Fabric" sheet mulch.
- Following planting supply and spread evenly Melcor Industries "Biosol Biostron" to a depth of 50mm, (20mm if no sheet mulch specified) on 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. In N.B. no substitution of mulch type will be acceptable. It is essential to have a fine, fibrous, large particle, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid tree death.

E. BS Codes

- All workmanship and materials shall conform to the following codes:-
 - General landscape operations (including hard surfacing) - BS 4428:1989
 - Trees in relation to construction - BS 5837:2012
 - BS 3998:2010 (recommendations for tree works) unless otherwise specified
 - Arboricultural Association - C8.8 Framework for tree work contracts - standard conditions of contract and specification for tree works 2008
 - BS 8545:2014 Trees: from nursery to independence in the landscape - Recommendations
 - Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2011"
 - Turf - BS 3969:1998 - recommendations for turf for general purposes
 - Seedling - EC Regulations 1914 - Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an official seed Testing Station Certificate of germination, purity and composition.
 - Topsoil - BS 3882:2001
 - Geotextiles - Control of Pesticides Regulations 1997, The Health and Safety at Work Act 1974, the COSHH Regulation 2002, the product COSHH sheet Water Supply (White Quality) Regulations amended 1991, Control of Pollution Act 1974, Highways Act 1997, Wildlife and Countryside Act 1981.

F. General Notes for the Developer

- Tree Protection: Please refer to All About Trees' tree protection information. No digging to take place within the root protection zones of protected trees.
- Ground Work:
 - Excavate for shrub beds and other areas should have any compacted subgrade thoroughly broken up by machine before introducing the ground worker to spread topsoil or the landscape contractor to commence work or the beds will become waterlogged in wet weather and the plants will die.
 - Edge soil spread from on site should be to the following minimum depths:-
 - Shrub beds: 300mm
 - Grass areas: 100mm, allow for excavation of 10mm of the subgrade
 - Shrub beds to leave beds 60mm below finished pavement or grass areas in order to receive sheet and bark mulch, 90mm below where sheet mulch is not to be used.
 - The pits will be as per BS 8545:2014. The soil shall be graded for grass areas flush with any areas of paving and after settlement, the soil level should be no greater than 20mm below paved areas to allow drainage. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement or 30mm minimum of 5mm below to allow 100mm water to drain onto soft surfaces. Settlement shall be no greater than the tolerances given or problems will be encountered with mowing (the blades in contact with the concrete edges) or where site is paved or pavements, these drainage problems will be encountered.
 - Existing topsoil and imported soil shall conform to BS 3882:2001, and be free from compaction, rocks/bricks greater than 50mm diameter, concrete, wires, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.
- Hardworks:
 - Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor. All materials and workmanship shall be in accordance with the construction details and the latest plan.
 - All paths and edgings shall be set out properly to level and radii, with all curves worked on the ground using pointed pegs and string or site marker paint, achieving the following:-
 - Setting out shall be carried out by the landscape contractor and subsequently the landscape architect.
 - Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soil spots and substrate. The indicative depths of base courses are minimum depths assuming suitable subgrade conditions.
 - All materials shall be free from oil, diesel, grease and other contaminants in accordance with BS EN 15014:60. The subcontractor shall be responsible for the thorough removal of all gallinging units (biting) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the paved surface by wetting with detergent and water and scrubbing with a coarse brush until all dirt, grease, wire and all supplies have been removed, then followed by dry thorough "Sassy and gate" hose 60/30 from Sika Ltd (tel: 01707 314444) applied with a lathbrush in accordance with the manufacturer's instructions, COSHH regulations and the product COSHH sheet. Apply 2kg of salt per square metre of area to be treated. Wash with a high pressure hose (100 bar) to remove any remaining salt and any remaining above five degrees Celsius and in any event above the current deep frost temperature. Paint work will be subject to inspection by experts and if found wanting, shall be stripped off, re-prepared and applied entirely by the decorating contractor's own cost.
 - All wood work to use ACQ water based wood preservative applied by vacuum pressure by Permaseal or other similar and approved company. The timber shall then be stained with 30% coats of Sadolin "Classic" colour "Walnut" strictly in accordance with the manufacturer's instructions, COSHH Regulations 2003 and product COSHH sheet.

- Extra heavy standard tree planting in grassed or planted areas. Tree pits as per BS 8545:2014. To include single 1.6m timber stake, 600mm above ground, spacer and biodegradable tie.
- Native hedge planting. Plants to be planted at 0.33m spacing in a double staggered row (6 plants per linear metre). Shelter to all plants. Species to be planted in random, single species groups of no more than 5 plants.
- Areas of amenity grass seed mix or existing grassland, made good.
- New native planting at 1m (shrub species) and 2m (tree species) centres, including tubular guards and stakes.

PDP
 Client: Bowland Wild Boar Park
 Project: Park Extension
 Drawing title: Detailed landscape proposals
 Scale: 1:200 @ A1
 Drawn by: PDP
 Date: March 2024
 Drawing No: C-2217-01