



**INDICATIVE GENERAL HARD LANDSCAPE SPECIFICATION.**

Hard Surfaces and Boundaries (Detailed Hard Landscape Specification to be provided by others)  
 Specification Notes:

- Flagged Paths, Edgings and Channels to be Charcon concrete products.
- Colour: Grey, British standard paving size to match existing, or similar approved. Bedded on sharp sand laying course and jointed with sand in accordance with manufacturers recommendations.
- Footpaths and Edgings
- Paving - Blumem macadam. Surface (wearing) course 30mm thick with limestone aggregate. Binder (base) course 60mm thick. Granular sub base - DOT Type 1, depth to be determined as suitable for pedestrian use (minimum 150mm thick). All paving laid to fall as indicated. Maximum deviation of 4mm under a 3.0m straight edge. Edgings - 150x50mm precast concrete path edgings to BS 7623: Part 1. Bedded and haunched in concrete, butt jointed.
- Detail Banding - Marshalls Tegula cobbles, 80x60x60mm, colour Pennant Grey, or similar approved.
- Roads and Keros and Parking areas.
- Paving to vehicular areas and fire access paths to be in accordance with Highways Agency Specification for Highway Works, Nov 2004, or similar.
- Car parking bays are to be Charcon Europa Block Paving. Colour - Charcoal 200x100x80mm, laid on 50mm well compacted sharp sand laying course and over minimum 225mm DOT Type 1 granular sub base, or similar.
- Road kerbs to be pre-cast concrete half battered kerbs 125x255x900mm and special shapes as required to BS 7623 haunched and bedded on concrete foundation, or similar approved.
- Nursery and reception play areas are to be Play Top wet pour rubber safety surfacing or similar, colours/layout to be confirmed.
- Paving to main entrance to be Charcon Woburn Original Block Paving. Colour - Rustic, 201x134x80mm, 134x134x80mm, 100x134x80mm, or similar.

Retaining Walls:

- Timber Sleeper Retaining Walls
- To be constructed on site using Copper Azole (Cu Az) pressure treated softwood timber sleeper, and in accordance with details on dwg. EED-12392-100-SA-10-0003, all or similar.

Site Furniture Specifications:

- Seats and Benches
- Litter Bins
- Bollards
- Broxap Heavy Duty Economy bollard ref. BX14 6501B3-RT, powder coated colour RAL 7030 Stone Grey, or similar.
- Cycle Parking
- Falcolite Single Bay Cycle Shelter (housing 20 no. Cycles each), RAL powder coated, colour to be confirmed, or similar approved.

Boundaries:

- New Palatin Mesh Fencing to Boundaries, or similar approved.
- To BS 1722 Part 1, 1.5 metres high. All fencing to be polyester powder coated Fir Green RAL 6005.
- Supplied by Procter Fencing Systems or similar.
- New Palatin Mesh Fencing, or similar.
- To BS 1722 Part 1, 1.8 metres high. All fencing to be polyester powder coated Fir Green RAL 6005. Supplied by CLD Fencing Systems or similar.
- New Hoop Top Fencing, or similar.
- To BS 1722 Part 1, 1.5 metres high. All fencing to be polyester powder coated Signal Violet RAL 4008. Supplied by Procter Fencing Systems or similar.
- New stock proof fence to be constructed on site in accordance with details shown on drawing no. EED-12392-100-SA-10-0003 or similar.

**INDICATIVE GENERAL SOFT LANDSCAPE SPECIFICATION.**

General:

All soft landscape operations are to be undertaken during the first available planting season, immediately following completion of all construction operations, or in accordance with any Stockton Borough Council planning approval/conditions, whichever is most applicable.

All setting out of trees, shrubs and grass within new soft landscape areas shall be inspected and approved by the Landscape Architect prior to planting operations commencing.

**Outline Planting Specification:**  
 Existing top soiled areas to be subsoil cultivated to a minimum depth of 600mm (where services allow) prior to topsoil cultivation to a minimum depth of 350mm in all areas.

Remove all deleterious arisings from above cultivations, together with all surface debris currently on site.

In all new topsoil areas, excavate to 400mm minimum depth for shrub planting, and 150mm for grassed areas, removing all excavated subsoil from site. Cultivate a further 250mm to relieve compaction in all areas.

Replace above excavations with approved quality topsoil to the following minimum depths:

- Shrub planting - 400mm
- Grassed areas - 150mm

**Heavy Standard Trees:**  
 Excavate tree pits for heavy standard trees as follows:  
 20-25cm RB - 1500mm dia x 750mm depth  
 16-18cm RB - 1500mm dia x 750mm depth

Excavate tree pits for standard trees as follows:  
 8-10cm BR - 750mm dia x 600mm depth

Finished levels of topsoil after settlement are to be 50mm above adjacent hard paved areas in all instances.

Where agreed, supply and spread 50mm bark mulch to areas of ornamental planting.

Amenity grass seed (Rigby Taylor Mascot R15, or similar approved) to be applied at 35gms/m<sup>2</sup>.

Refer to the following British Standards for more detailed information:

- Recommendations for transplanting root-balled trees: BS 4043:1989
- Code of practice for general landscape operations: BS 4428: 1989
- Specification for Topsoil: BS 3082: 2007
- Nursery Stock: BS 3936-1: 1992 Part 1
- Trees in relation to construction: BS 5837: 2005
- Recommendations for Tree work: BS 3998: 1999

**Trees to be Retained and Protected Generally:**

- Preferably no felling of foundations should occur.
- Ensure that only hand digging takes place within the general vicinity of the root plate.
- No roots greater than 25mm diameter should be severed without advice of a qualified arborist.
- No materials stored, nor fires set nor machinery used within the established root protection zones.
- No mixing of cement within 10m of any tree.
- No local rising of finished soil levels in the immediate vicinity of the tree.

**GENERAL NOTES**

- For accurate building information refer to Ryder drawings.
- Existing Tree position taken from Waterman Tree Removal / Retention & Protection plan ref. EED-12392-100-SA-77-0001.

**LEGEND**

- Indicative Site Boundary
- Existing mature woodland/tree belt retained & protected
- Existing trees retained & protected
- Proposed tree planting
- Structure & Edge Mix Planting
- Ornamental planting
- Native species hedgerow planting
- Amenity grass areas
- Wildflower seed mix areas
- Grass sports pitch
- Synthetic Turf pitch
- Artificial Lawn
- Pedestrian areas: Shared surface (pedestrian priority). Charcon Woburn Original block paving. Colour: Rustic, 201x134x80mm, 134x134x80mm, 100x134x80mm, or similar
- Pedestrian areas: Shared surface (pedestrian priority). Charcon Woburn Rumbled. Colour: Autumn, 201x134x80mm, 134x134x80mm, 100x134x80mm, or similar
- Pedestrian areas: Charcon Appalachian flag paving. Colour: Grey Textured, 400x400x60mm, or similar
- Pedestrian areas: Bitmac
- Pedestrian areas: Whinstone rolled aggregate, or similar
- Multi Use Games Areas: Porous Bitmac, or similar
- Road surface: Bitmac
- Car parking/ drop off: Charcon Europa block paving. Colour: Charcoal, 201x100x80mm, or similar
- Safety Surfacing
  - 1.8m High P.P.C Palatin fence (Black)
  - 1.5m High P.P.C Palatin fence (Black)
  - 1.8m High low wall & railing fence
  - 1.5m High stock proof fence
  - 3.0m High Ballcourt fence
  - 1.5m High Heras Single Bow Top fence
  - Potential additional secure fence line
  - Bollards (17 No.)
  - Proposed diverted drainage ditch
  - Stone Gabion retaining wall
  - Timber Sleeper retaining wall
  - Covered cycle storage (2 No.)
  - Concrete Cobble banding 320mm wide
  - 2800mm x 500mm Furnitures Blyth Rectangular Charcoal Concrete Bench

Rev	Date	Description	By
006	17.05.12	Revised in accordance with recommendations made by S&P and Northumbria Water	AB
005	16.05.12	Substation location amended. Annotation updated in line with parking strategy	AB
004	15.05.12	Main car park area revised following S&P redesign.	AB
003	02.05.12	Minor amendments to fence lines as discussed with Stockton Borough Council	MC
002	23.04.12	Updated following discussions with Stockton Borough Council	MC
001	12.04.12	Tender issue	AB
004	30.03.12	Main entrance amended to allow bus turning movement following comments received from Engineer.	AB
003	26.03.12	Site-wide redesign, as a result of H.S.E. and Stockton B.C. comments	AB
002	21.12.11	1.5m high palatin fence added. amendments to Western edge of site boundary	AB
001	19.12.11	Contractors' residence added. Steps added adjacent main entrance. Issued for Planning	AB
A01	08.12.11	Preliminary issue	AB

**RED HOUSE SCHOOL, WYNYARD**

Title: **HARD & SOFT LANDSCAPE GENERAL ARRANGEMENT**

Client: **Ryder**

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**TENDER & PLANNING**

Designed by: **NRW** Checked by: **NRW** Project No: **E12392**

Drawn by: **AB** Date: **02.12.11** Scale: **1:500** Sheet No: **100**

Author	Zone	Category	Number	Revision
EED	SA	74	0002	D06

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION UNUSUAL SIGNIFICANT HAZARDS**

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement. In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

- CONSTRUCTION**
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- MAINTENANCE / CLEANING**
- The Contractor and Facilities Manager are reminded that the perimeter of the site is maintained as fully accessible to the public. In this, all footpaths and roadways, including those upon which soft landscape impacts, are to be maintained in a clean and tidy condition and free from over-hanging vegetation.
  - Particular care is to be taken when maintaining shrub planted areas to avoid accidental contact with dangerous waste materials, which may have been discarded in such areas.
  - The use of chemical based herbicides in landscape maintenance is to be discouraged in favour of organically based herbicides.
  - Pruning of trees and shrubs during the bird nesting season must be undertaken following a thorough inspection for the presence or otherwise of active nests.
- DECOMMISSIONING / DEMOLITION**
- In the event of existing tree removal, all soft landscape areas and trees must first be inspected for the presence of nesting birds and all protected species generally. Identify, tree and shrub removal should be undertaken outside of the recognised bird nesting season which is March to September.
  - Prior to the removal of shrub-planting, a thorough site cleanse must be undertaken to establish the absence of any potential dangerous waste material, which could cause accidental harm.

