Coherent Campus

LANDSCAPE PALETTE
STANDARD
SPECIFICATION
Introduction

The aim of this document is to provide a definitive guide to the approved palette of landscape street furniture and paving materials which are to be used in all future projects, which will enable ESS to progress towards a vision ‘to create and enhance a campus which will be a coherent, recognisable, sustainable, pedestrian-friendly and welcoming place’.

The document is part of a suite of guides that make up the policy of our external environment, including a signage strategy and guide (in preparation), Landscape strategy (particularly around soft landscaping, contemporary and heritage areas), DDA guide and the Farrell Masterplan. The document also is complimented by a set of campus maps showing the existing circumstances and the proposed overall approach with regard to each of the groundscape materials and furniture. A final map indicates the overall vision for the campus and includes the Vice Chancellor’s ‘Y route’ in helping to guide students, staff and visitors through the main pedestrian thoroughfares of the King’s campus.

The expected programme period for the realisation of the vision is ten years, culminating in a fully ‘coherent campus’ in 2018. A number of major projects are planned throughout the period (or, are in implementation *) that will help transform the university, including:-

- King’s Quad- a new heart for the university
- Pedestrianisation of King’s Road, in two phases
- Robinson Quad- improving the setting and access to Politics and Law
- Student Administration Services landscaping works and Union Lawn *
- Refurbishment of the Old Quad
- Redevelopment of the Claremont Bridge area
- The Landscaping around the Great North Museum*
- INTO and Herschel landscaping*
- New Medical Sciences building landscaping works*

In addition to the major projects, a number of minor works and initiatives are also planned in the early years that will generally improve and uplift the campus incrementally (eg the screening of the external Fine Arts store).
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Granite Paving

1. Appearance and General Specification

- Colour: Silver grey
- 80mm thickness x 340mm width in random lengths
- Finish: Fine picked/brush hammered
- Bond Pattern: Random Course, Stretcher Course
- Freeze/Thaw resistance class: F1
- Arrises: Bevelled 2mm
- Diagonal deviation class: D2.
- Thickness deviation class: T2.
- Plan dimension deviation class: P2

(For actual specification refer to the ESS Contact below)

Uniting both appealing aesthetics and durable performance, Granite Paving is an extremely versatile product, enabling long term durability for intended applications.

2. Key Features:
- Aesthetics: Visually appealing with ability to enhance areas
- Strength: Extremely hard wearing, uniform surface
- Durability: Forms a hardwearing surface with an exceptionally long lifespan. Resistant to frost and weathering
- Slip-Skid Resistance: Uniform surface finish, offers excellent slip-skid resistance, even in wet conditions, for pedestrians.

3. Locations
Primarily limited use at change of levels

Example locations that product is currently in use
Percy Quad

4. Contact Information

Manufacturer:

Supplier: Stonepave UK Ltd, Alma Park, Wibtoft, Lutterworth, Leics, LE17 5BE
Tel: 01455 222 288
http://www.Stonepaveuk.com/

ESS Contact:
Sandstone Paving

1. Appearance and General Specification

- Smooth sawn sandstone paving.
- Colour: Yellow/buff with various tones and shades available
- Various sizes and thickness, to be specified for specific intended application. Generally 340mm units of random lengths maximum 1000mm and minimum 500mm.
- Kings Walk area/Union frontage to be 200mm wide by random length ranging from 250mm to 450mm

- Dressed Stone

Aesthetically appealing with a natural appearance. Will enhance heritage areas and landscapes.

2. Key Features:

- **Aesthetics**: Visually attractive providing a formal surface finish to the historic areas of the campus.
- **Strength**: Hard wearing and uniform surface especially when used in level pedestrian areas.
- **Durability**: Relatively hard wearing with a resistance to weathering and low friability.

3. Locations

To be used for Heritage areas where a natural appearance is required

**Example locations that product is currently in use**

Robinson Library Entrance

4. Contact Information

- Manufacturer: Various
- Supplier: To be sourced locally
- ESS Contact:
Marshall’s Tegular Concrete Sett Paving

1. Appearance and General Specification

- Colour: Burnt Ochre (Charcoal used in limited areas)
- 160 Gauge
- 60/80mm thickness in three sizes
  - 120 x 160
  - 160 x 160
  - 240 x 160
- Integral Spacers
- Bond Pattern: Herringbone pattern
- Compliant to BS EN 1338:2003.

(For actual specification refer to the ESS Contact below)

Uniting both appealing aesthetics and durable performance, Tegular Block Paving is an extremely versatile product, enabling the optimum surfacing solution for a broad spectrum of applications.

2. Key Features:

- **Aesthetics**: Through rich colour, form and texture, it is visually appealing with ability to frame and accent the finest architecture, and to realise and enhance landscapes with a traditional or contemporary feel.
- **Strength**: Combining the inherent strength of each individual unit with the interlock generated between blocks and the flexibility of the surface course, it creates a paved surface that allows the highest level of loading to be dissipated laterally between units and down through the sub base.
- **Durability**: With well-established examples nationwide, concrete sett paving forms a hardwearing surface with an exceptionally long lifespan. Concrete Block Paving is resistant to frost damage, most chemicals, fuels and oils.
- **Reinstatement**: When maintenance of underlying services are required, Tegular paving can be quickly and efficiently removed and then reinstated to provide the same surface finish prior to works – free from scars and ready for immediate traffic.
- **Slip-Skid Resistance**: With its joint profile and surface finish, Tegular paving offers excellent slip -skid resistance, even in wet conditions, for pedestrian and vehicular traffic alike.
- **Whole-Life Costs**: Over the design life of a pavement, concrete block paved surfaces are appreciably more cost effective than other surfacing materials. With the inherent flexibility and strength in the surface, infrequent and simple maintenance, ease of reinstatement following works, recycling capability, together with the aesthetic benefit, Tegular paving offers enhanced long term value when considering whole life cost.

3. Locations

To be used for publically visible areas, service/delivery areas and pedestrian walkways.

**Example locations that product is currently in use**
- Claremont Quad (Merz Court Service Road).
- Stephenson/Cassie Building (pedestrian area between the two buildings).
- King George VI Building (the two car parks at front of the building).

4. Contact Information

**Manufacturer:**

**Supplier:** Marshalls Mono Ltd, Landscape House, Premier Way, Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/

**ESS Contact:**
Asphalt

1. Appearance and General Specification

   Black bitumen based surface that is hardwearing and resilient.

2. Key Features:
   - Hardwearing
   - Long life expectancy

3. Locations
   To be used for service areas as applicable

   Example locations that product is currently in use
   King George VI Rear Car Parks

4. Contact Information

   Manufacturer: Various
   Supplier: Various
   ESS Contact:
Conservation Kerb

1. Appearance and General Specification

- Colour: Silver Grey
- Compliant to BS EN 1340:2003
- Various sizes available, including Straight, curved, dropped kerb and chamfered

(For actual specification refer to the ESS Contact below)

Aesthetically appealing.

2. Key Features:

- Precision manufactured
- Hardwearing and durable
- 48.3% recycled material used in the product construction

3. Locations

All Areas

Example locations that product is currently in use

4. Contact Information

Manufacturer:

Supplier: Marshalls Mono Ltd, Landscape House, Premier Way, Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/

ESS Contact:
BXMW Sheffield/Harrogate Cycle Racks

1. Appearance and General Specification

Front of house:
- Stainless Steel
- Root fixing, 300mm below ground
- Various sizes available
- Finish: Matte Satin Finish

Back of house:
- Galvanised Steel with appropriate finish
- Root fixing or bolt down
- Various sizes available

(For actual specification refer to the ESS Contact below)

Robust design with good life expectancy

2. Key Features:
- Robust and durable design
- Corrosion resistant Stainless Steel or galvanised steel with appropriate finish
- Modern design and look
- Cycle racks to be at 800mm centres

3. Locations
To be used for all areas except Heritage

Example locations that product is currently in use
- Harrogate type—Percy Quad
- Sheffield type—Medical School
- Currently plotting locations of future cycle storage, taking account of services, cctv, etc

4. Contact Information

Manufacturer:

Supplier: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

ESS Contact: Mr C Fletcher
Tel: 0191 222 6700
Email: Colin.Fletcher@ncl.ac.uk
Cycle shelter

1. Appearance and General Specification

- Wardale sides + Newcastle canopy
- Appolo Junior Shelter
- Hot dipped galvanised to BS EN ISO 1461:1999
- Coulor RAL 5013
- Various sizes available

(For actual specification refer to the ESS Contact below)

3. Locations
To be used for all areas

Example locations that product is currently in use
- Medical School

4. Contact Information

Manufacturer:

Supplier: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

ESS Contact: Mr C Fletcher
Tel: 0191 222 6700
Email: Colin.Fletcher@ncl.ac.uk
Marshall’s Sineu Graff Rendezvous Seating

1. Appearance and General Specification

- Cast iron or steel construction with hardwood
- Range of models available including benches and seats
- Armrest option on certain models

(For actual specification refer to the ESS Contact below)

With its modern design and more assertive lines, the Sineu Graff Rendezvous Range features seats and benches constructed from cast iron or steel with hardwood.

2. Key Features:
- Aesthetically pleasing
- Modern design
- Wood element adds colour and warmth, enhancing surrounding landscape
- Robust and durable
- Low Maintenance
- Various models available
- End and/or intermediate armrest options for certain models
- Wood element sourced from sustainable resources

3. Locations
To be used in all areas except Heritage Areas.

Example locations that product is currently in use

4. Contact Information

Manufacturer:

Supplier: Marshalls Mono Ltd, Landscape House, Premier Way, Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/

ESS Contact: Mr I. Walker
Tel: 0191 222 6278
Email: Ian.Walker@ncl.ac.uk
Lindsey Teak Balmoral Bench

1. Appearance and General Specification

- Hardwood construction
- Range of benches available
- Range of sizes available

(For actual specification refer to the ESS Contact below)

With a Classic design, the Balmoral seating range from Lindsey Teak provides a top quality range of seating to complement heritage areas within the University.

2. Key Features:

- Aesthetically pleasing
- Warm, traditional design
- Wood element adds colour and warmth, enhancing surrounding landscape
- Robust and durable
- Good life expectancy
- Low Maintenance
- Various models available
- End and/or intermediate armrest options for certain models
- Wood element sourced from sustainable resources
- Repairable in house

3. Locations

Heritage Areas.

Example locations that product is currently in use

Quadrangle

4. Contact Information

Manufacturer:

Supplier: Lindsey teak, Jati Ltd, Unit 6, Coulsdon North Industrial Estate, Station Approach, Coulsdon, Croydon, Surrey CR5 2NR
Tel: 0845 6789 891
http://www.Lindseyteak.com/

ESS Contact: Mr I. Walker
Tel: 0191 222 6278
Email: Ian.Walker@ncl.ac.uk
Osmos S39 Planter

1. Appearance and General Specification

Modern appearance with durable performance.

2. Key Features:
- Attractive appearance
- Sleek and distinctive design
- Robust and durable
- Low Maintenance
- Wood element sourced from sustainable resource

3. Locations
All areas except Heritage areas

Example locations that product is currently in use

4. Contact Information

Manufacturer:

Supplier: Omos Ltd, U1 Military Road Industrial Park, Newbridge Road, Naas, Co. Kildare, Ireland
Tel: 0353 4589 9802
http://www.amos.ie

ESS Contact: Mr I Walker
Tel: 0191 222 6278
Email: Ian.Walker@ncl.ac.uk
Broxap BX 2585-SSP Derby Eros Stainless Steel Litter Bin

1. Appearance and General Specification

- 2mm 304 Grade Stainless Steel
- Perforated with 240 grit grained finish
- 0.6mm galvanised steel liner
- 80 and 115 litre capacities
- Lockable

(For actual specification refer to the ESS Contact below)

Modern, contemporary appearance with durable performance.

2. Key Features:

- Heavy duty and robust
- Ergonomically designed with contemporary style posting apertures
- Modern, attractive appearance
- Newcastle University Logo
- Large aperture enabling larger items such as pizza boxes to be accepted
- Low maintenance
- Hi Specification for increased durability and long life expectancy

3. Locations

All areas except heritage areas

Example locations that product is currently in use
To be installed in near future

4. Contact Information

Manufacturer:

Supplier: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

ESS Contact: Mr I Walker
Tel: 0191 222 6278
Email: Ian.Walker@ncl.ac.uk
Broxap BX 2319 round medium Cast Iron Litter Bin

1. Appearance and General Specification

- 250 grade Cast Iron to BS EN 1561:1997
- Black finish with gold coloured LITTER lettering and banding
- Heavy Duty
- Galvanised sheet metal liner
- 90 litre capacity
- Lockable

(For actual specification refer to the ESS Contact below)

Classic appearance with durable performance.

2. Key Features:
- Heavy duty and robust
- Classic design
- Newcastle University Logo
- Large aperture enabling larger items such as pizza boxes to be accepted
- Low maintenance
- Hi Specification for increased durability and long life expectancy

3. Locations

Heritage areas

Example locations that product is currently in use

4. Contact Information

Manufacturer: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

Supplier: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

ESS Contact: Mr I Walker
Tel: 0191 222 6278
Email: Ian.Walker@ncl.ac.uk
Wybone Torpedo Triple Hood Recycling Unit

1. Appearance and General Specification

- 304 grade Stainless Steel
- Smooth finish
- Heavy duty
- Galvanised sheet metal liners
- 162 litre capacity
- Security Locks

(For actual specification refer to the ESS Contact below)

Contemporary appearance clearly labelled compartments, long term performance.

2. Key Features:

- Heavy duty and robust
- Vandal and corrosion resistant 1.5mm Stainless Steel
- Contemporary design
- Large capacity liners
- Internal sheet partition guarantees separation
- Low maintenance
- Clearly labelled compartments
- Newcastle University Logo
- Hi Specification for increased durability and long life expectancy

3. Locations

All areas except heritage

Example locations that product is currently in use

Stephenson Building
Percy Building

4. Contact Information

Manufacturer:

Supplier: Wybone Ltd, Mason Way, Platts Common Ind. Estate, Hoyland, Barnsley, South Yorkshire, S74 9TF

ESS Contact: Mrs Hannah Owens
Tel: 0191 208 7789
Email: Hannah.owens@ncl.ac.uk
Broxap BX 47 Sheffield Bollard

1. Appearance and General Specification

- Stainless Steel
- Root fixed
- Height above ground 1000mm
- 150mm Colour Visibility Band
- Various sizes available up to 204mm
- Either 2mm or 3mm gauge

(For actual specification refer to the ESS Contact below)

Stylish range of attractive stainless steel bollards

2. Key Features:
- Robust and durable
- Corrosion resistant Stainless Steel
- Matt Satin Finish
- Colour Visibility Band—University blue (Ref: Pantone 541)
- Flat Top Finish
- Root fixing, 300mm below ground
- Height above ground 1000mm
- Product Reference BX47 0140 00

3. Locations
All areas except heritage

Example locations that product is currently in use

4. Contact Information

Manufacturer:

Supplier: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/

ESS Contact: Mr M Row
Tel: 0191 222 3597
Email: Mike.Row@ncl.ac.uk
Geo Illuminated Bollards

1. Appearance and General Specification

- 316 grade Bead Blasted Stainless Steel body
- 316 grade Brushed Stainless Steel Toe Cap
- Glass MTR Rings
- Clear PMMA Diffuser
- IP65 rated
- Available in various heights
- Available in various diameters
- Available with various lamp options

(For actual specification refer to the ESS Contact below)

Contemporary appearance with illumination. Hi specification to give robust and durable long term performance

2. Key Features:
- Robust and durable
- Corrosion resistant Stainless Steel
- Contemporary design
- Hi Specification for increased durability and long life expectancy

3. Locations

All areas except heritage

Example locations that product is currently in use

4. Contact Information

Manufacturer:

Supplier: Woodhouose UK Ltd, Spa Park, Leamington Spa, Warwickshire CV31 3HL
Tel: 01926 314 313

ESS Contact: Mr M Row
Tel: 0191 222 3597
Email: Mike.Row@ncl.ac.uk
Stainless Steel Handrail

1. Appearance and General Specification

- Type 316 Stainless Steel
- Hardwood hand rail element available
- Specification to be provided for specific application

(For actual specification refer to the ESS Contact below)

Description.

2. Key Features:
- Corrosion resistant Stainless Steel
- Contemporary look
- Wooden element for DDA compliance
  Picture colour

3. Locations
   To be used for all areas

   Example locations that product is currently in use
   Stephenson Building
   Percy Quad

4. Contact Information

Manufacturer: Various
Supplier: Various
ESS Contact: Mr L Gardner
Tel: 0191 222 5510
Email: Luke.Gardner@ncl.ac.uk
Manhattan Lantern

1. Appearance and General Specification

   • Lamp Height 810mm
   • Lamp Width 800mm
   • Stainless Steel Column Mounted

   (For actual specification refer to the ESS Contact below)

Stylish and attractive Street lighting

2. Key Features:

   • Robust and durable
   • Corrosion resistant Stainless Steel column
   • Luminaire has RAL7016 Anthracite finish
   • Medium Polycarbonate Glazing Cone
   • 70w CDM-T Lamp G12 Lampholder
   • Column 5M Abacus Stainless Steel Base Hinged Raising & Lowering 76mm top with flange plate mounting.
   • Anti-Glare Shield
   • Can be Flange plate or root mounted
   • Fold down option for easy maintenance

3. Locations

   All areas except heritage

   Example locations that product is currently in use

4. Contact Information

   Manufacturer:

   Supplier: DW Windsor
   DW Windsor UK Operations Centre, Pindar Road, Hoddesdon, Hertfordshire. EN11 0DX
   Tel: 01992 474 600
   http://www.dwwindsor.co.uk/

   ESS Contact: Mr L Gardner
   Tel: 0191 222 5510
   Email: L.Gardner@ncl.ac.uk