

01 SEP 2010

ENVIRONMENTAL
AND ECONOMIC

SCHEDULE OF SURFACE MATERIALS FOR SUBMISSION TO VGC (PLANNING CONDITION #4)

A. External realm- for adoption

Q10 TYPES OF KERBS/EDGINGS AND CHANNELS AND PAVING ACCESSORIES:

110 PROPRIETARY PRECAST CONCRETE: [KERBS TO SEPARATE PATH FROM PARKING TO NORTH EAST OF SITE AND FOR PARKING AREAS, LAY TO RETAIN 145 TOP, 205 DEEP]

Standard: To BS EN 1340.

Manufacturer: [Marshall's, Landscape House, Premier Way, Lowfields Business Park, Elland,
West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web:
<http://www.marshall's.co.uk/kerb>].

- **Product reference:** [Conservation Kerb or similar approved].

Designations: [Conservation Kerb for Laying Flat Straight].

Size (width x height x length): [145 x 205mm x 300 / 450 / 600 / 915mm – Flat Straight].

Special shapes: [None].

Finish: [Exposed aggregate].

Colour: [Charcoal].

110A PROPRIETARY PRECAST CONCRETE: [PIN KERB Type EF TO EDGE ALL TARMAC PATHS]

Standard: To BS EN 1340.

Manufacturer: [Marshall's, Landscape House, Premier Way, Lowfields Business Park, Elland,
West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web:
<http://www.marshall's.co.uk/kerb>].

- **Product reference:** [BS EN 1340 Edgings or similar approved].

Designations: [Edging Flat Top: 50 x 150 EF].

Size (width x height x length): [50mm x 150mm x 915mm].

Special shapes: [None].

Finish: [As cast].

Colour: [Natural].

110B PROPRIETARY PRECAST CONCRETE: [HALF BATTERED KERBS UPSTAND AND FLUSH- TO ROADS IN LOCATIONS SHOWN]

Standard: To BS EN 1340.

Manufacturer: [Marshall's, Landscape House, Premier Way, Lowfields Business Park, Elland,
West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web:
<http://www.marshall's.co.uk/kerb>].

- **Product reference:** [Charnwood Kerb or similar approved].

Designations: [Charnwood Kerb Straight: Half Battered HB2

Charnwood Kerb Radius: 125 x 225 (convex and concave)].

Size (width x height x length): [125mm x 255mm x 915mm - Half Battered HB2
125mm x 255mm - Kerb Radius].

Special shapes: [Charnwood Kerb Centre Stone, Charnwood Kerb Drop Kerb: Half Battered to
Bullnosed Left and Right Hand, Charnwood Kerb Angles Internal: Concave (Internal) Angle,
Charnwood Kerb Angles External: Convex (External) Angle].

Finish: [Exposed aggregate].

Colour: [French Grey].

110E PROPRIETARY PRECAST CONCRETE: [DISHED CHANNEL]

Standard: To BS EN 1340.

Manufacturer: [Marshall's, Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web: <http://www.marshall's.co.uk/kerb>].

- **Product reference:** [Keychannel or similar approved].

Designations: [CD Channel, dished].

Size (width x height x length): [200mm x 200mm x 65mm].

Special shapes: [None].

Finish: [As cast].

Colour: [Charcoal Ref: PV8300500].

150 CONCRETE BLOCK: [Chamfered low rise kerb block]

Standard: To BS EN 1338.

Manufacturer: [CEMEX UK Operations, Coldharbour Lane, Thorpe, Egham. Surrey. TW20 8TD.

<http://www.cemex.co.uk> or similar approved].

- **Product reference:** [System L - Low Rise Kerb Sett].

Size: [190mm length, 160mm depth, 100mm wide with a 45° front chamfer, 50mm wide and deep.].

Special shapes: [Standard block in low-rise position System L, Low-rise 45 ° angles, Low-rise right

angles, low rise radius blocks, Low-rise to Crossover (System L to System X).].

Finish: [Smooth].

Colour: [Charcoal].

150A CONCRETE BLOCK: [Crossover kerb block]

Standard: To BS EN 1338.

Manufacturer: [CEMEX UK Operations, Coldharbour Lane, Thorpe, Egham. Surrey. TW20 8TD.

<http://www.cemex.co.uk> or similar approved].

- **Product reference:** [Standard kerb block - Crossover or similar approved].

Size: [190mm length, 160mm depth, 100mm wide with a 18.5° front chamfer].

Special shapes: [Crossover internal corner block, Crossover external corner block.].

Finish: [Smooth].

Colour: [Charcoal].

395 ROAD MARKING (THERMOPLASTIC):

Standard: Road Safety Markings Association standard specification document for road marking and road studs (StanSpec).

Manufacturer: [Submit proposals].

- **Product reference:** [Submit proposals].

Colour: [75mm x 100mm White numbering and lettering on a Black Square used for allocated parking bays. Car park markers to be painted white].

Q24 Interlocking brick/ block roads/ pavings

110 CONVENTIONAL CONCRETE BLOCK PAVING: [FOR COURTYARD/ FOOTWAY AREAS IN FRONT GARDENS HS09, AND HARDSCAPE TO BACK OF HS02, HA05]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Eco-granite Cornish Setts or similar approved].

- **Sizes:** [100 x 150, 100 X 100, 150 X 150mm - all at 80mm depth].

- Special blocks: [None].
- **Colour/ Finish:** [Truro/ Bush Hammered].

Jointing:

- Joint width: 2-5 mm.

Setting out:

- **Bond:** [Stretcher].

110A CONVENTIONAL CONCRETE BLOCK PAVING: [FOR COURTYARD/PARKING AREAS IN FRONT GARDENS & PAVEMENTS TO NORTH OF HS02 & HA05]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Eco-granite Cornish Setts or similar approved].

- Sizes: [275 x 150, 275 x 200, 275 x 400, 275 x 250, 225 x 150, 225 x 400, 225 x 300mm - all at 80mm depth]

- Special blocks: [None].

- **Colour/ Finish:** [Truro/ Bush Hammered].

Jointing:

- Material: In accordance with BS 7533-3.
- Joint width: 2-5 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Stretcher].

- Features: [None].

B. Front gardens

Q24 Interlocking brick/ block roads/ pavings

110 CONVENTIONAL CONCRETE BLOCK PAVING: [FOR COURTYARD/ FOOTWAY AREAS IN FRONT GARDENS HS09, AND HARDSCAPE TO BACK OF HS02, HA05]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Eco-granite Cornish Setts or similar approved].

- Sizes: [100 x 150, 100 X 100, 150 X 150mm - all at 80mm depth].

- Special blocks: [None].

- **Colour/ Finish:** [Truro/ Bush Hammered].

Jointing:

- Joint width: 2-5 mm.

Setting out:

- **Bond:** [Stretcher].

110A CONVENTIONAL CONCRETE BLOCK PAVING: [FOR COURTYARD/PARKING AREAS IN FRONT GARDENS & PAVEMENTS TO NORTH OF HS02 & HA05]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Eco-granite Cornish Setts or similar approved].

- Sizes: [275 x 150, 275 x 200, 275 x 400, 275 x 250, 225 x 150, 225 x 400, 225 x 300mm - all at 80mm depth]

- Special blocks: [None].

- **Colour/ Finish:** [Truro/ Bush Hammered].

Jointing:

- Material: In accordance with BS 7533-3.

- Joint width: 2-5 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Stretcher].

- Features: [None].

110B CONVENTIONAL CONCRETE BLOCK PAVING: [FOR FRONT DRIVES OF HS10 AND HS12]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR.

Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web:

www.formpave.co.uk].

Product reference: [Royal Forest rectangular block or similar approved].

- Sizes: [200 x 100 x 80mm depth].

- Special blocks: [None].

- **Colour/ Finish:** [Purbeck].

Jointing:

- See Engineers' Specification

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [45° herringbone orientated to road entrance with brick on edge border].

- Features: [None].

110E CONVENTIONAL CONCRETE BLOCK PAVING: [FOR NORTH PARKING BAY]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Eco-granite Royal Deeside Setts or similar approved].

- Sizes: [100 x 150, 100 X 100, 150 X 150mm - all at 80mm depth].

- Special blocks: [None].

- **Colour/ Finish:** [Lochnager/ Bush Hammered].

Jointing:

- See Engineers' Specification

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Running - perpendicular from long side of car parking bay].

- Features: [None].

110F CONVENTIONAL CONCRETE BLOCK PAVING: [FOR CAR PARKING BAY MARKERS]

Blocks: To BS EN 1338: [2003 - PSRV 70].

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR.

Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web:

www.formpave.co.uk].

Product reference: [Eco-granite Cornish Setts or similar approved].

- Sizes: [100mm x 100mm x 80mm depth].

- Special blocks: [None].

- **Colour/ Finish:** [Cornish/ Bush Hammered].

Jointing:

- Material: In accordance with BS 7533-3.
- Joint width: 2-5 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Running].
- Features: [None].

110H CONVENTIONAL CONCRETE BLOCK PAVING: [FOOTPATH]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Chartres Classic Large or similar approved].

- Sizes: [250mm x 150mm x 80mm depth].
- Special blocks: [None].
- **Colour/ Finish:** [Pennant].

Jointing:

- Material: In accordance with BS 7533-3.
- Joint width: 2-5 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Running].
- Features: [None].

110K CONVENTIONAL CONCRETE BLOCK PAVING: [Double row as separation of similar material of pavement to path edge to houses HS09]

- **Manufacturer:** [Formpave Ltd. Tufthorn Avenue, Coleford, Gloucestershire. GL6 8PR. Tel: 01594 836999. Fax: 01594 810577. E-mail: sales@formpave.co.uk Web: www.formpave.co.uk].

Product reference: [Ecogranite Cobbles or similar approved].

- Sizes: [100mm x 100mm x 80mm depth].
- Special blocks: [None].
- **Colour/ Finish:** [Cornish Truro].

Jointing:

- Material: In accordance with BS 7533-3.
- Joint width: 2-5 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out:

- **Bond:** [Chequerboard].
- Features: [None].

130 NATURAL STONE SETT PAVING: [FOR SLOPE OF ROAD RAMPS/ 130A FOR FLAT AREA ON ROAD RAMPS]

Setts: [Granite Setts].

- **Supplier:** [Marshalls, Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HT. Sales Office Tel: 08704 112266. Fax: 08704 112277 Web: <http://www.marshalls.co.uk/naturalstone>].

- **Product reference:** [Granite setts or similar approved].

- **Sizes:** [100 x 100 x 100mm].

- Method of cutting sett sides: Diamond sawn.

- Dimensional tolerance: In accordance with BS 7533-7, clause 6.3.

- Freeze/ thaw resistance to BS EN 1342: Class I (F1).

- **Colour/ Finish:** [Silver Grey GRA900/Cropped].
- Special setts: [None].

Jointing:

- Material: In accordance with BS 7533-7, clause 6.2.1.1.
- Joint width: 2–4 mm.

Sealer/ Stabilizer: [To engineers specification].

Setting out: [To engineers specification].

- **Bond:** [Stretcher]. I30
- **Bond:** [Chequerboard]. I30A
- Features: [To engineers specification].

Q25 Slab/ brick/ sett/ cobble pavings

315 CONCRETE FLAGS: [STEP TREADS]

Standard: To BS EN 1339.

- **Manufacturer:** [Marshalls, Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web: <http://www.marshalls.co.uk/kerb>].

Product reference: [Conservation Textured Concrete Paving step tread or similar approved].

Colour: [Silver Grey].

- **Finish:** [Exposed aggregate with a chamfered edge and black non-slip strip].
- **Nominal sizes:** [400 x 400 x 65 mm].

Arrises: [Chamfered].

315A CONCRETE FLAGS: [PATIO PAVING TO HS02 & HA05 AND TO STEPS IN LANDSCAPE TO SOUTH]

Standard: To BS EN 1339.

- **Manufacturer:** [Marshalls, Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire, HX5 9HT. Sales Tel: 0845 302 0600 Technical Tel: 08704 113 344. Web: <http://www.marshalls.co.uk/kerb>].

Product reference: [Saxon or similar approved].

Colour: [Natural].

- **Finish:** [Exposed aggregate].
- **Nominal sizes:** [450 x 450 x 65 mm].

Arrises: [Square].