LANDSCAPE SPECIFICATION - BOUNDARY TREATMENT

FEBRUARY 2026

Phoenix Ironworks
Radium Street
Ancoats
Manchester

URBAN GREEN

QUALITY MANAGEMENT

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F10
Brick/ block walling

Types of walling

290 Manufactured stone blockwork

1. Description: To Sitting Wall
2. Blocks: To BS 1217.
    2.1. Walling type: Granite Solid Stone Wall
    2.2. Manufacturer: Hardscape
        2.2.1. Product reference: Kobra Grey Granite
    2.3. Block type: Solid
    2.4. Work sizes (length x height x thickness): W600 x L1000mm, height varies
    2.5. Finish/ colour: Picked top with pencil edge, sawn bottom.
    2.6. Special shapes: Allow for special starting and ending units
3. Mortar: As section Z21.
4. Bond: Off-centre stretcher
5. Joints: Recessed

Testing - Not Used

Workmanship generally

430 Conditioning of clay bricks and blocks

1. Bricks and blocks delivered warm from manufacturing process: Do not use until cold.
2. Absorbent bricks in warm weather: Wet to reduce suction. Do not soak.

460 Mortar designations

1. Mix proportions: For a specified designation select a mix from the following:
    1.1. Designation (i) (BS EN 998-2 M12 equivalent)
        1.1.1. 1:0-¼:3 (Portland cement:lime:sand with or without air entraining additive).
        1.1.2. 1:3 (Portland cement:sand and air entraining additive).
    1.2. Designation (ii) (BS EN 998-2 class M6 equivalent)
        1.2.1. 1:½:4-5 (Portland cement:lime:sand with or without air entraining additive).
        1.2.2. 1:3 (masonry cement:sand containing Portland cement and lime in approximate ratio 1:1, and an air entraining additive).
        1.2.3. 1:2½-3½ (masonry cement:sand containing Portland cement and inorganic materials other than lime and air entraining additive).
        1.2.4. 1:3-4 (Portland cement:sand and air entraining additive).
    1.3. Designation (iii) (BS EN 998-2 class M4 equivalent)
        1.3.1. 1:1:5-6 (Portland cement:lime:sand with or without air entraining additive).
        1.3.2. 1:3½-4 (masonry cement:sand containing Portland cement and lime in approximate ratio 1:1, and an air entraining additive).
        1.3.3. 1:4-5 (masonry cement:sand containing Portland cement and inorganic materials other than lime and air entraining additive).
        1.3.4. 1:5-6 (Portland cement:sand and air entraining additive).
    1.4. Designation (iv) (BS EN 998-2 class M2 equivalent)

1.4.1. 1:2:8-9 (Portland cement:lime:sand with or without air entraining additive).

1.4.2. 1:4½ (masonry cement:sand containing Portland cement and lime in approximate ratio 1:1, and an air entraining additive).

1.4.3. 1:5½-6½ (masonry cement:sand containing Portland cement and inorganic materials other than lime and air entraining additive).

1.4.4. 1:7-8 (Portland cement:sand and air entraining additive).

2. Batching: Mix proportions by volume.
3. Mortar type: Continuous throughout any one type of masonry work.

500 Laying generally

1. Mortar joints: Fill vertical joints. Lay bricks, solid and cellular blocks on a full bed.
2. AAC block thin mortar adhesive and gypsum block adhesive joints: Fill vertical joints. Lay blocks on a full bed.
3. Clay block joints
   3.1. Thin-layer mortar: Lay blocks on a full bed.
   3.2. Interlocking perpends: Butted.
4. Bond where not specified: Half-lap stretcher.
5. Vertical joints in brick and concrete block facework: Even widths. Plumb at every fifth cross joint.

520 Accuracy

1. Courses: Level and true to line.
2. Faces, angles and features: Plumb.
3. Permissible deviations
   3.1. Position in plan of any point in relation to the specified building reference line and/ or point at the same level: ± 10 mm.
   3.2. Straightness in any 5 m length: ± 5 mm.
   3.3. Verticality up to 3 m height: ± 10 mm.
   3.4. Verticality up to 7 m height: ± 14 mm.
   3.5. Overall thickness of walls: ± 10 mm.
   3.6. Level of bed joints up to 5 m (brick masonry): ± 11 mm.
   3.7. Level of bed joints up to 5 m (block masonry): ± 13 mm.

635 Jointing

1. Profile: Consistent in appearance.

690 Adverse weather

1. General: Do not use frozen materials or lay on frozen surfaces.
2. Air temperature requirements: Do not lay bricks/ blocks:
   2.1. In cement-gauged mortars when at or below 3°C and falling or unless it is at least 1°C and rising.
   2.2. In hydraulic lime:sand mortars when at or below 5°C and falling or below 3°C and rising, or as manufacturer's/ supplier's recommendations.
   2.3. In thin-layer mortars when outside the limits set by the mortar manufacturer.
3. Temperature of walling during curing: Above freezing until hardened.
4. Newly erected walling: Protect at all times from:
   4.1. Rain and snow.
   4.2. Drying out too rapidly in hot conditions and in drying winds.

Additional requirements for facework

760 Appearance

1. Brick/ block selection: Do not use units with damaged faces or arrises.
2. Cut masonry units: Where cut faces or edges are exposed cut with table masonry saw.
3. Quality control: Lay masonry units to match relevant reference panels.
   - 3.1. Setting out: To produce satisfactory junctions and joints with built-in features and components.
   - 3.2. Coursing: Evenly spaced using gauge rods.
4. Lifts: Complete in one operation.
5. Methods of protecting facework: Submit proposals.

780 Ground level

1. Commencement of facework: Not less than 150 mm below finished level of adjoining ground or external works level.

830 Cleanliness

1. Facework: Keep clean.
2. Mortar on facework: Allow to dry before removing with stiff bristled brush.
3. Removal of marks and stains: Rubbing not permitted.

Ω End of Section

Q40
Fencing

Fencing systems

125 Open mesh steel panel general-purpose fencing

1. Description: Metal Mesh Fence
2. Manufacturer: Metal Mesh
   2.1. Product reference: 50-89 HDG
3. Standard: To BS 1722-14, Category 1.
4. Height: 2440mm
5. Mesh and wire: Expanded metal mesh, 22.58mm vertical x 50.80mm horizontal x 3.00mm thickness, galvanized
6. Posts: Steel rectangular hollow section, powder coated in situ: Dulux MIO Protective coating in Natural Grey
7. Maximum centres of posts: 2472mm
8. Method of setting posts: 300mm square, 400mm deep holes filled to not less than half the depth with concrete
9. Fence Panel Frame: 40mm width, 8mm thick angle steel frame
   Powder coated in situ: Dulux MIO Protective coating in Natural Grey

Gates, posts and stiles

560 Steel gates and posts Feature Gate

1. Description: Feature Gate
2. Manufacturer: Bespoke
3. Standard
   3.1. Domestic gates: To BS 4092-1.
   3.2. Steel palisade gates: To BS 1722-12.
4. Materials and workmanship: TBC
5. Finish: TBC
   5.1. Colour: TBC
6. Jointing: Welded.
7. Fittings: TBC

560 Steel gates and posts Mesh Fence

1. Description: To Metal Mesh Fencing
2. Manufacturer: Metal Mesh
   2.1. Product reference: 50-89 HDG
3. Standard
   3.1. Domestic gates: To BS 4092-1.
   3.2. Steel palisade gates: To BS 1722-12.
4. Finish: Polyester powder-coated gate panel frame, as section Z31
   4.1. Colour: Natural Grey
5. Jointing: Welded.
6. Fittings: TBC

Accessories - Not Used

Execution

710 Installation generally

1. Set out and erect
    1.1. Alignment: Straight lines or smoothly flowing curves
    1.2. Tops of posts: Following profile of the ground
    1.3. Setting posts: Rigid, plumb and to specified depth, or greater where necessary to ensure adequate support
    1.4. Fixings: All components securely fixed

715 Competence

1. Operatives: Contractors must employ competent operatives
2. Qualifications: Submit certification of training

720 Setting posts in concrete

1. Standard: To BS 8500-2.
2. Mix: Designated concrete not less than GEN1 or standard prescribed concrete not less than ST2
3. Alternative mix for small quantities: 50 kg Portland cement to 150 kg fine aggregate to 250 kg 20 mm nominal maximum size coarse aggregate, medium workability.
4. Admixtures: Do not use.
5. Holes: Excavate neatly and with vertical sides
6. Filling: Position post/ strut and fill hole with concrete to not less than the specified depth, well-rammed as filling proceeds and consolidated
7. Backfilling of holes not completely filled with concrete: Excavated material, well-rammed and consolidated

780 Making good galvanized surfaces

1. Treatment of minor damage (including on fasteners and fittings): Low melting point zinc alloy repair rods or powders made for this purpose, or at least two coats of zinc-rich paint to BS 4652
2. Thickness: Apply sufficient material to provide a zinc coating at least equal in thickness to the original layer

Completion

910 Cleaning

1. General: Leave the works in a clean, tidy condition
2. Surfaces: Clean immediately before handover

920 Fixings

1. All components: Tighten
    1.1. Timing: Before handover

930 Gates

1. Hinges, latches and closers: Adjust to provide smooth operation. Lubricate where necessary.
    1.1. Timing: Before handover.

Ω End of Section

Specification created using NBS Chorus