

Project No. 150457

Client: Council of the Isles of Scilly

Tender Issue 10/11/2017

STRIDE TREGLOWN
ARCHITECTURE

Carn Gwavel School

10 November 2017

This document includes:

| Code | Section | Revision | Dated |
|------|--|----------|-------|
| Q10 | Kerbs/ edgings/ channels/ paving accessories | | |

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Q10 Kerbs/ edgings/ channels/ paving accessories

TYPES OF KERBS/EDGINGS AND CHANNELS

110A PRECAST CONCRETE KERB

- Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Email: info@marshalls.co.uk.
 - Tel: +44 (0)870 241 4725.
 - Address: Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HT.
 - Product reference: Bullnosed Kerb BN3
- Size: 125 x 150 mm.
- Special shapes: Drop kerb 125 x 150 centre.

110B PRECAST CONCRETE KERB

- Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Email: info@marshalls.co.uk.
 - Tel: +44 (0)870 241 4725.
 - Address: Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HT.
 - Product reference: Bullnosed Kerb
- Size: Refer to Detail 6, drawing 42001.
- Special shapes: Refer to Detail 6, drawing 42001.

170A LINEAR SLOT DRAINAGE CHANNEL SYSTEMS

- Manufacturer: ACO Technologies plc.
 - Web: www.aco.co.uk.
 - Email: technical@aco.co.uk.
 - Tel: +44 (0)1462 816666.
 - Address: ACO Technologies plc, ACO Business Park, Hitchin Road, Shefford, Bedfordshire. SG17 5TE.
 - Product reference: HexDrain Brickslot
- Accessories:
 - Closing end cap;
 - Leaf guard; and
 - Outlet connector.

180 DRAINAGE CHANNEL SYSTEMS WITH GRATINGS

- **Manufacturer:** Aco Technologies.
 - **Product reference:** Doorway Drain.
- **Size:** 125mm.
- **Type of fall:** Integral continuous fall.
- **Finish:** Standard.
- **Colour:** Charcoal.
- **Accessories:** Endcaps - closing pieces and Endcaps - outlets.
- **Bedding:** Cement mortar.
- **Joints generally:** Silicone sealant.
- **Cover gratings:** Stainless steel, slotted, heel guard.
 - **Fixings:** Friction clips.
 - **Loading grade to BS EN 124:** A15.
 - **Finish/ Colour:** Silver.

LAYING

510 LAYING KERBS, EDGINGS AND CHANNELS

- **Cutting:** Neat, accurate and without spalling. Form neat junctions.
 - **Long units (450 mm and over)** minimum length after cutting: 300 mm.
 - **Short units** minimum length after cutting: The lower of one third of their original length or 50 mm.
- **Bedding of units:** Positioned true to line and levelled along top and front faces, in a mortar bed on accurately cast foundations or on a race of fresh concrete.
- **Securing of units:** After bedding has set, secured with a continuous haunching of concrete or on a race of fresh concrete with backing concrete cast monolithically.

520 ADVERSE WEATHER

- **Conditions:** Do not construct if the temperature is below 3°C on a falling thermometer or 1° C on a rising thermometer. Adequately protect foundations, bedding and haunching against frost and rapid drying by sun and wind.

530 CONCRETE FOR FOUNDATIONS, RACES AND HAUNCHING

- **Standard:** To BS 8500-2.
- **Designated mix:** Not less than GEN0 or Standard mix ST1.
- **Workability:** Very low.

540 CEMENT MORTAR BEDDING

- **General:** To section Z21.
- **Mix (Portland cement:sand):** 1:3.
 - **Portland cement:** Class CEM I 42.5 to BS EN 197-1.
 - **Sand:** to BS EN 12620, grade 0/4 or 0/2 (MP).
- **Bed thickness:** 12-40 mm.

590 DRAINAGE CHANNEL SYSTEMS WITH BUILT IN FALL

- **Installation:** Top of channels level, installed in correct sequence to form an even gradient without ponding or backfall. Commence laying from outlets.
- **Silt and debris:** Removed from entire system immediately before handover.
- **Washings and detritus:** Safely disposed without discharging into sewers or watercourses.

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620 ACCURACY

- Deviations (maximum):
 - Level: ± 6 mm.
 - Horizontal and vertical alignment: 3 mm in 3 m.