

## SECTION 604 - PRECAST CONCRETE KERB

### 604.01 DESCRIPTION

This section covers the requirements for the supply and placing of precast concrete kerb as shown on the drawings or at locations as specified.

### 604.02 SUPPLY OF KERBS

All kerbs required under this Contract shall be supplied by the Contractor and shall conform with the profiles shown on the drawings. Precast kerbs shall be constructed from concrete complying with the requirements of Section 601. The surface of all sections shall be consistently smooth and of uniform colour.

Kerbs shall be cast in sufficient lengths to ensure a smooth alignment of the kerb, and in order to ensure that all sections butt together neatly, holes for placing dowels or interlocking joints shall be provided in each section.

Any section damaged during handling, storing and transporting shall not be used.

### 604.03 PLACING OF PRECAST KERBS

#### (a) Preparation of Base

Where the kerb is not being placed on a compacted pavement layer, the foundation for the kerb shall be excavated or filled to a level 75 mm below the underside of the kerb. All soft, wet or unstable material shall be removed to at least 150 mm below the underside of bedding level and backfilled with selected filling, sand or gravel of a quality that when moistened and compacted will form a stable foundation. Bedding material consisting of sand, gravel or crushed rock shall then be placed and fully compacted to the specified level.

#### (b) Placing

The kerb shall be set so that the top conforms with the line and grade specified within a tolerance of  $\pm 10$  mm. All sections shall be firmly butted together.

### 604.04 PLACING OF PRECAST SPIKED KERBS

Where precast kerbs are to be pinned to existing pavements, they shall be placed true to line with adjoining sections firmly butted together. Where necessary, the sections shall be bedded on 6 to 1 cement mortar in order to maintain an even grade along the top of the kerb.

The kerb sections shall be held in position by 12 mm diameter steel spikes 300 mm long driven into the pavement so that the tops are at least 10 mm below the tops of the kerbs. The holes in the tops of the kerbs shall then be filled level with the top with 3 to 1 cement mortar.

### 604.05 BACKFILLING

Backfilling behind the kerb shall be with better quality common fill material having a maximum size of 75mm and shall be backfilled to a minimum relative compaction of 95% standard compaction.

### 604.06 MEASUREMENT & PAYMENT

Measurement of precast kerb shall be in lineal metres, and shall be the length of kerb constructed in accordance with the drawings.

Payment for the supply and placement of precast kerb including all labour, plant and materials necessary to complete the work, shall be at the scheduled rate for all work constructed in accordance with the specification.