


**Walsall Council**

**Sandwell**
Metropolitan Borough Council

**Wolverhampton City Council**

**Dudley**
Metropolitan Borough Council

Drawing Title:

STANDARD DETAIL

TYPICAL MANHOLE
DETAIL TYPE C

DRAWN

CHECKED

Drawing Number

GW

JBF

SD/500/07

DATE

SCALE

Rev

JUL/09

1 : 25

01

The diagram illustrates the construction of a typical manhole detail (Type C). It includes a cross-section view at the top and a plan view at the bottom.

Cross-section details:

- Top Section:** Shows the invert structure. The invert is to be formed using channel pieces, with a width of 150mm. The depth of the invert is 225mm. The invert is to be 1:10 to 1:30.
- Brickwork:** The brickwork is to be corbelled (maximum 30mm per course) to suit the cover. It is made of Class B engineering bricks or concrete blocks, not less than 200mm thick.
- Concrete:** The in-situ concrete is to be grade C25 (designed to be special digest 1 concrete in aggressive ground).
- Arch over Pipe:** An arch is shown over the pipe, with a width of 150mm.
- Joint:** The joint is to be as close as possible to the face of the manhole to permit satisfactory joint and subsequent movement.
- Roofing:** The roofing is to be 1220mm x 685mm multiple ductile iron cover bedded on mortar.

Plan View details:

- Dimensions:** The overall width of the manhole is 1240mm, and the depth is 675mm.
- Joint:** The joint is to be as close as possible to the face of the manhole to permit satisfactory joint and subsequent movement.
- Roofing:** The roofing is to be 1220mm x 685mm multiple ductile iron cover bedded on mortar.