MANHOLE DETAILS:

SECTION A-A

PLAN OF TYPE C JUNCTION BOX (WITHOUT COVER SLAB)

D₁ = D₃ AND D₂ VARIES

PLAN OF TYPE C JUNCTION BOX (WITHOUT COVER SLAB)

D₁ ≠ D₂ ≠ D₃ AND Ø < 30°

PLAN OF TYPE C JUNCTION BOX (WITHOUT COVER SLAB)

D₁ ≠ D₃ AND D₂ VARIES

All stormwater pipes to be laid soffit to soffit.
Minimum pipe diameter of all pipes is 450mm.
Where a pipe wall is at least 75mm from the nearest junction box wall, the concrete bencing can be started adjacent to the double brick wall.
Where the total depth of the junction box (invert level to finished ground level) exceeds 2,0m a structural design must be submitted by a professional engineer.
All bricks shall comply with SABS 227 and shall be engineering units of class FBS (face brick standard) with a nominal compressive strength of 12 MPA.

J.G. JANSEN VAN VUUREN Pr.Tech.
P. A. ODENDAAL Pr.Eng.
S. AUDIE

TYPICAL STANDARD DESIGN CHECKED BY

CITY OF TSHWANE

MR. P. I. LETLONKANE
EXECUTIVE DIRECTOR
ROADS AND TRANSPORT DEPARTMENT

EXECUTIVE DIRECTOR
Ms. L. V. Kegakilwe-Piki

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