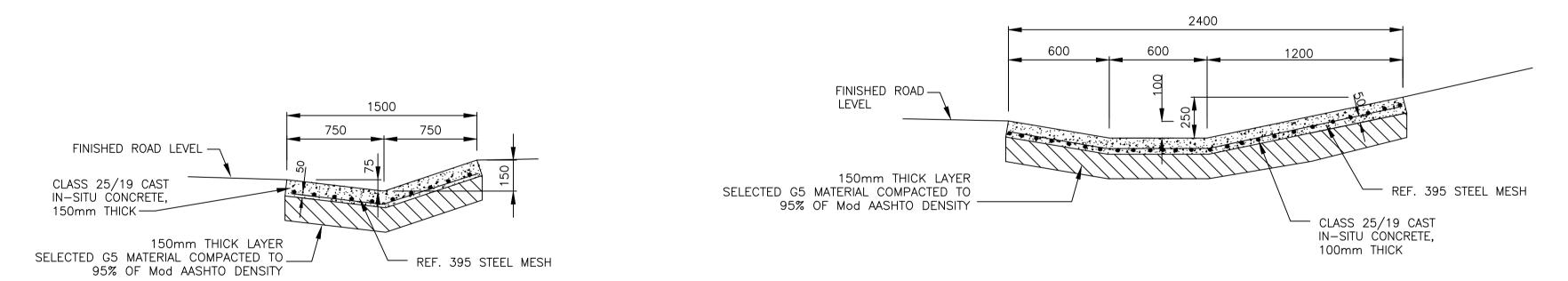


TYPE 1.1: SMALL SIDE DRAIN ALLOWING ERF ACCESS

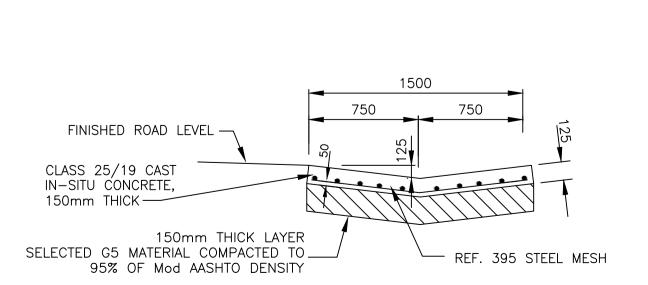
TYPE 2: SMALL SIDE DRAIN WITH NO ERF ACCESS

YPE 5: LARGE SIDE DRAIN WHERE REQUIRED CAPACITY **EXCEEDS THAT OF TYPE 4**

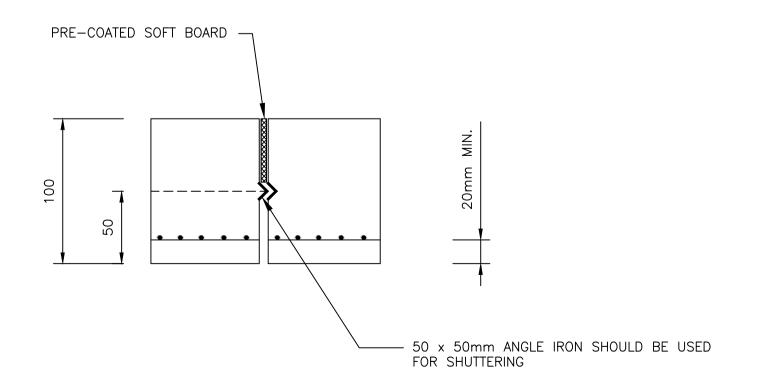


TYPE 1.2: SMALL SIDE DRAIN ALLOWING ERF ACCESS

TYPE 3: LARGE SIDE DRAIN ALLOWING ERF ACCESS



TYPE 1.3: SMALL SIDE DRAIN ALLOWING ERF ACCESS



APPLICABLE TO ALL CHANNELS AND V-DRAINS SECTION OF JOINTS

AMENDMENTS P. A. ODENDAAL Pr.Eng. S. AUDIE MANAGEMENT D.J. CHALMERS P. A. ODENDAAL Pr.Eng.

CITY OF TSHWANE ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD Mr Letlonkane P. (Pheko) P.O. BOX 1409 PRETORIA

ACTING DIVISIONAL HEAD Mr Lebepe M.T. (Thabo) **TSHWANE** PRETORIA DRAWING APPROVED BY ACTING EXECUTIVE DIRECTOR

Mr Lebepe M.T. (Thabo)

TYPICAL STANDARD DETAILS

ROAD AND SURFACE DRAINAGE DETAILS FOR LOW-COST DEVELOPMENT ROAD CROSS-SECTION AND SIDE DRAIN

ORIGINAL PAPER SIZE: AS SHOWN FEBRUARY 2017

2 OF 4

REVISION