DEPARTMENT OF PUBLIC WORKS
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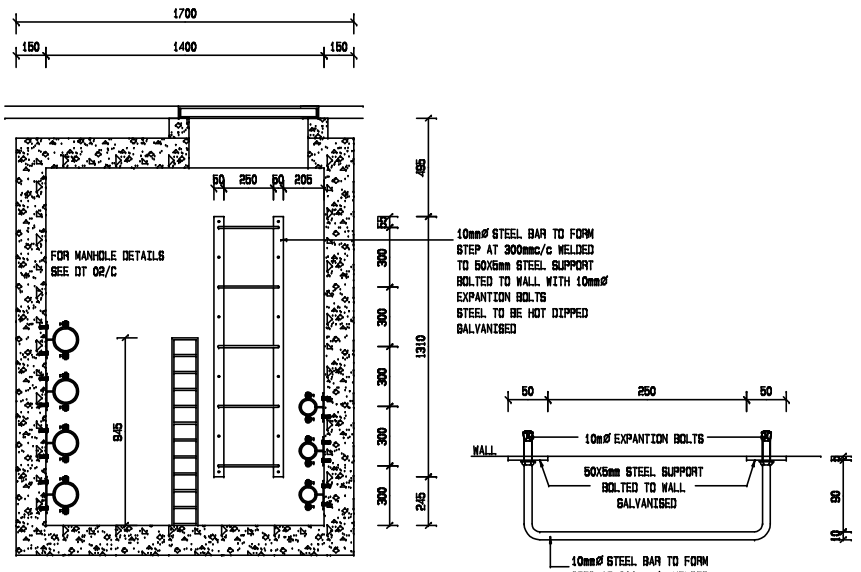
department: DIAGRAMMATIC CIVIL ENGINEERING DETAILS FOR DOLOMITIC SOILS

title: CABLING STEEL LADDER IN MANHOLE

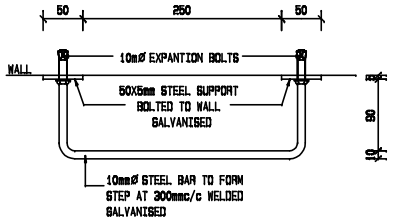
scale: 1:20

date: 22/06/2006

drawing number / type number: TYPE NO DT 04/C



TYPICAL LADDER FOR CABLE MANHOLE
SCALE 1:20

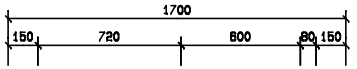


PLAN
SCALE 1:5

HOLES FOR ALL PIPES THROUGH CONCRETE TO BE DIAMETER PLUS 20mm. SEAL OPENINGS WITH 25mm DEEP POLYSULPHIDE ON IN AND OUTSIDE OF WALL.
(ALTERNATIVE PUDDLE FLANGE ON PIPE)

NOTE: ALL TO COMPLY TO SABS 1200 LC-10981

SLEEVE PIPES SMALLER THAN 63mm dia HDPE PE100 PN 16 SABS ISO 4427/SANS4427
SLEEVE PIPES BIGGER THAN 75mm dia HDPE PE100 PN 12.5 SABS ISO 4427/SANS 4427



600mmØ TYPE 1A (SABS 558 / SANS 558) MANHOLE COVER AND FRAME FOR ROADS (HEAVY DUTY) - LOCKABLE

ADAPTOR SLAB

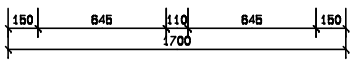
SMOOTH OF SHUTTER FINISH

25MPa/19mm CONCRETE MANHOLE

110mmØ HDPE PE100 PN12.5 SLEEVE PIPES FOR POWER CABLES

PIPE HOLDER BRACKET AS PER DETAIL TYPE DT 08/W 600mmc/c max. FOR PIPE SPACING SEE SABS LC-1981

BACKFILLING COMPACTED AROUND MANHOLE TO 93% MOD ASSTHO DENSITY IN LAYERS OF 150mm PERMEABILTY TO BE LOWER THAN THE SURROUNDING SOIL



TYPICAL MANHOLE FOR POWER AND DATA SLEEVES (1700X1700X1800mm DEEP)