

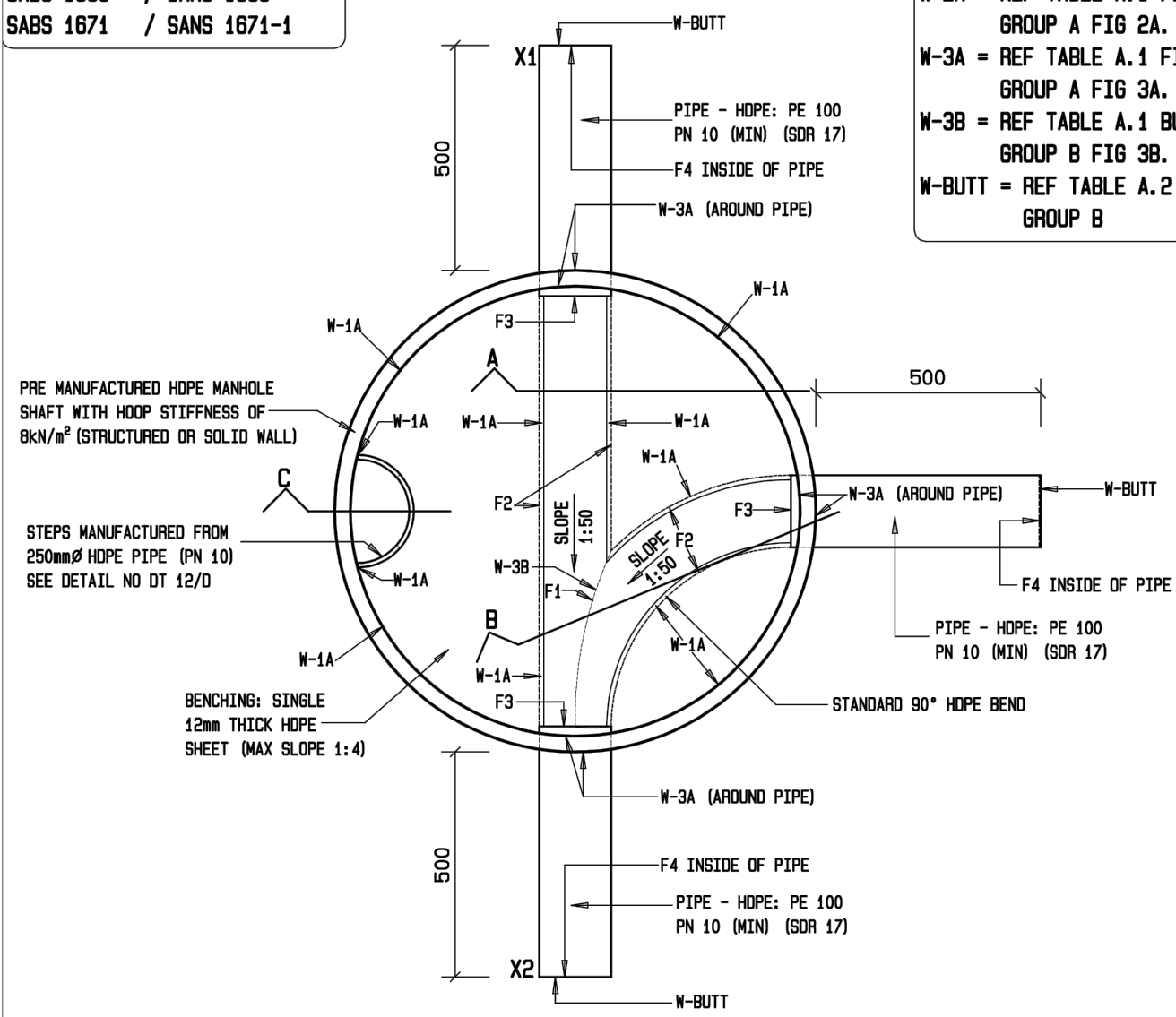
GENERAL NOTE:
- ALL MATERIALS TO BE HDPE
PE-100 AS PER SABS ISO 4427
/ SANS 4427
HOOP STIFFNESS OF MANHOLE
SHAFT TO BE 8kN/m²

OTHER RELEVANT
MANUFACTURING STANDARDS:
SABS 0268-1 / SANS 10268-1
SABS 0269 / SANS 10269
SABS 0270 / SANS 10270
SABS 1269 / SANS 1269
SABS 1655 / SANS 1655
SABS 1671 / SANS 1671-1

GENERAL WELDING SPECIFICATION:
- BUTT WELDING OF PIPES TO COMPLY
TO SABS 0268-1:1999,
SANS 10268-1
- HOT GAS WELDING TO COMPLY
TO SABS 0268-3:1999,
SANS 10268-3
- HOT GAS EXTRUSION WELDING TO
COMPLY TO SABS 0268-4:1999,
SANS 10268-4

GENERAL FINISHING NOTE:
F1- REMOVE FILLER EXPULSION AND
FINISH WELD SMOOTH WITH PIPE SURFACE.
F2- REMOVE FILLER EXPULSION AND
FINISH WELD WITH SMOOTH ROUNDED EDGE.
F3- FINISH PIPE WITH SMOOTH ROUNDED EDGE.
F4- REMOVE INTERNAL WELDING BEAD.

WELDING NOTATION FOR JOINTS
SEE SABS 0270 / SANS 10270
PAR 5 AS WELL AS ANNEX A.
W-1A = REF TABLE A.1 FILLET
GROUP A FIG 1A.
W-2A = REF TABLE A.1 FILLET
GROUP A FIG 2A.
W-3A = REF TABLE A.1 FILLET
GROUP A FIG 3A.
W-3B = REF TABLE A.1 BUTT
GROUP B FIG 3B.
W-BUTT = REF TABLE A.2 BUTT
GROUP B



X1 TO X2 IS A SINGLE
LENGTH PIPE WITH SECTION
REMOVED TO FORM CHANNEL

HDPE MANHOLE
PLAN
SCALE 1 : 20
TYPICAL WELDING DETAILS FOR HDPE SEWER MANHOLE

SECTION A: SEE DT 10/D
SECTION B: SEE DT 11/D
SECTION C: SEE DT 12/D

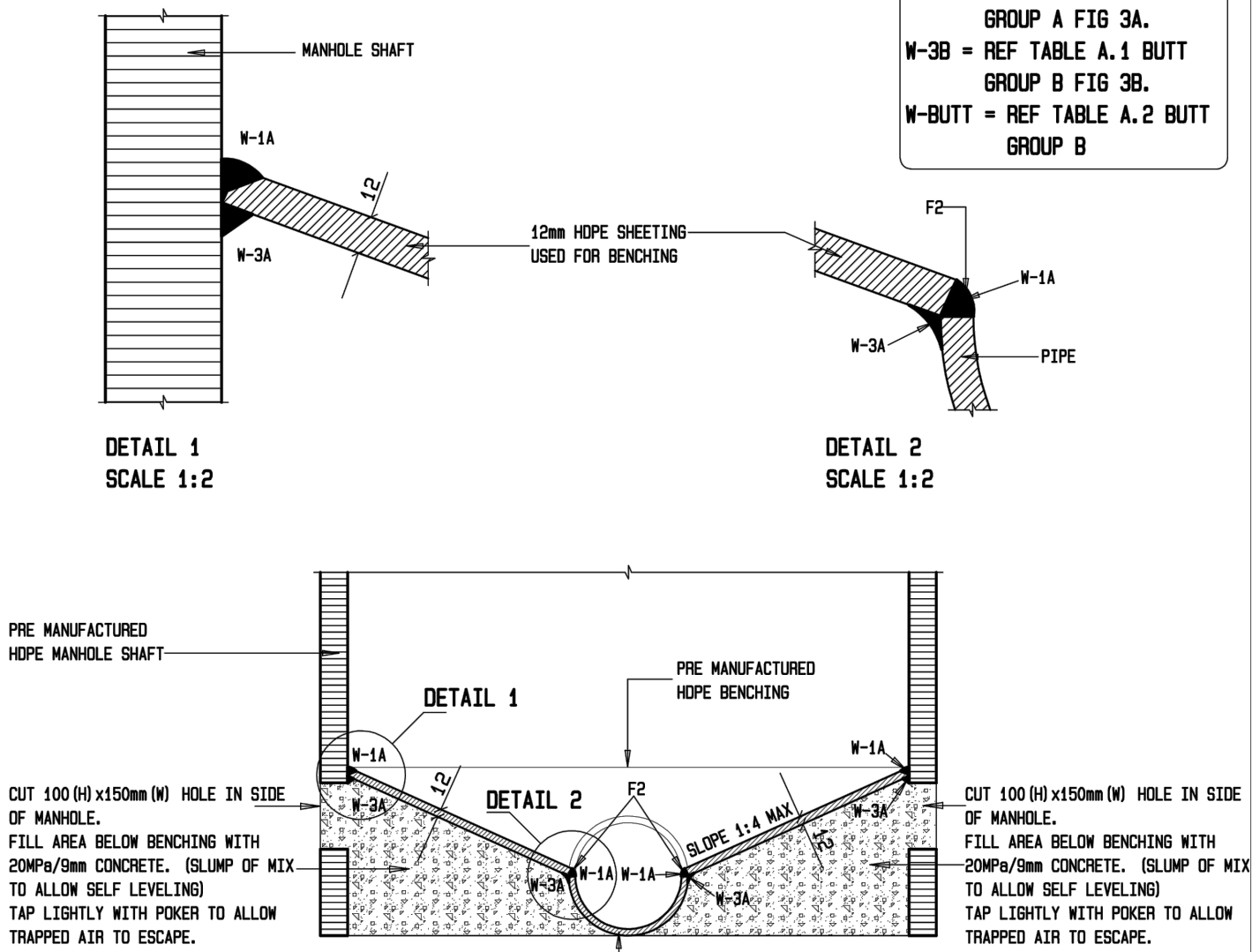
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SABS 0269 / SANS 10269
SABS 0270 / SANS 10270
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SABS 1671 / SANS 1671-1

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- HOT GAS EXTRUSION WELDING TO
COMPLY TO SABS 0268-4:1999,
SANS 10268-4

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WELDING NOTATION FOR JOINTS
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W-3A = REF TABLE A.1 FILLET
GROUP A FIG 3A.
W-3B = REF TABLE A.1 BUTT
GROUP B FIG 3B.
W-BUTT = REF TABLE A.2 BUTT
GROUP B



SECTION A
SCALE 1 : 20
TYPICAL WELDING DETAILS FOR HDPE SEWER MANHOLE:
SECTION A

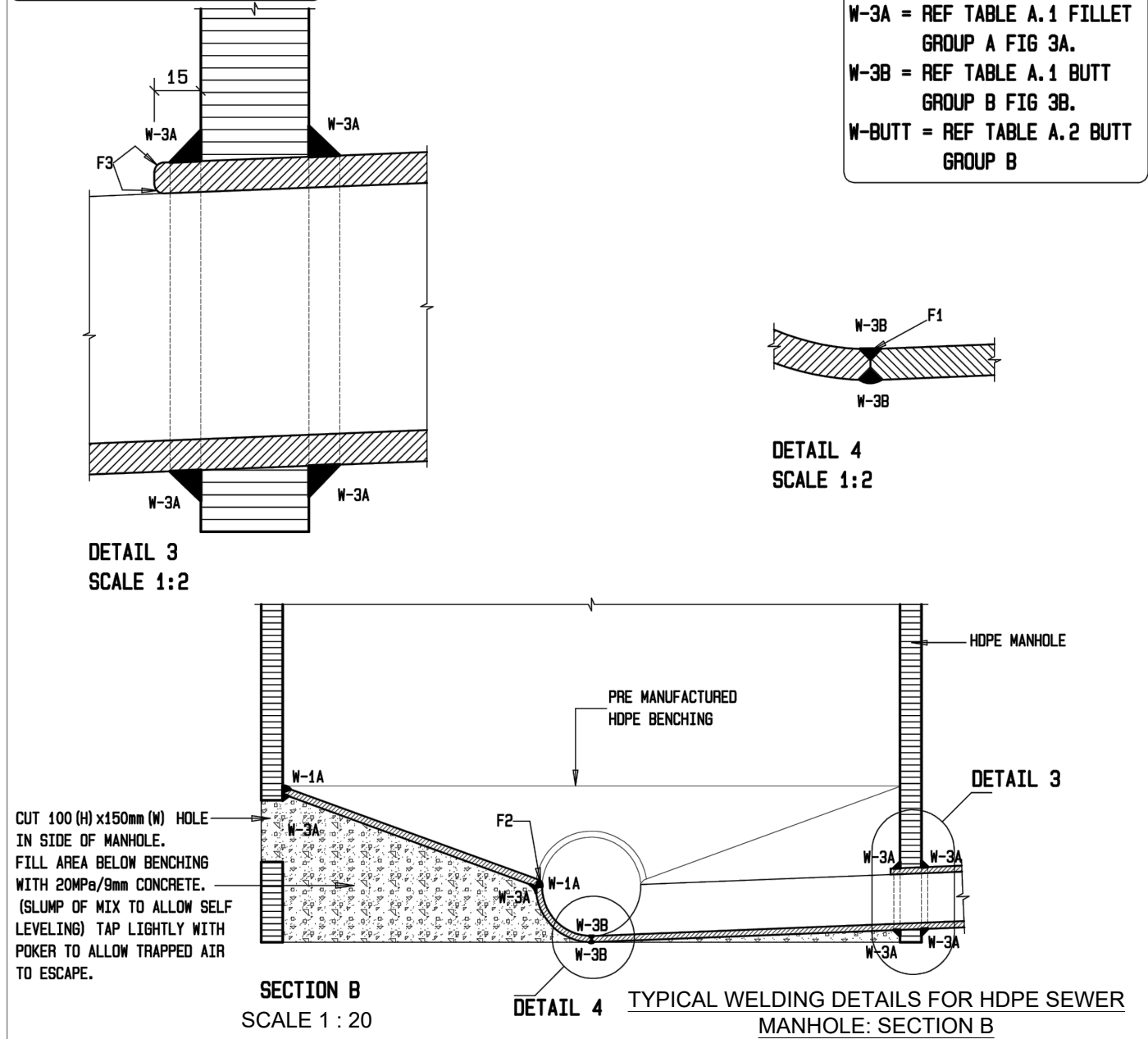
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SABS 0269 / SANS 10269
SABS 0270 / SANS 10270
SABS 1269 / SANS 1269
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SANS 10268-4

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GROUP A FIG 2A.
W-3A = REF TABLE A.1 FILLET
GROUP A FIG 3A.
W-3B = REF TABLE A.1 BUTT
GROUP B FIG 3B.
W-BUTT = REF TABLE A.2 BUTT
GROUP B



SECTION B
SCALE 1 : 20
TYPICAL WELDING DETAILS FOR HDPE SEWER MANHOLE: SECTION B

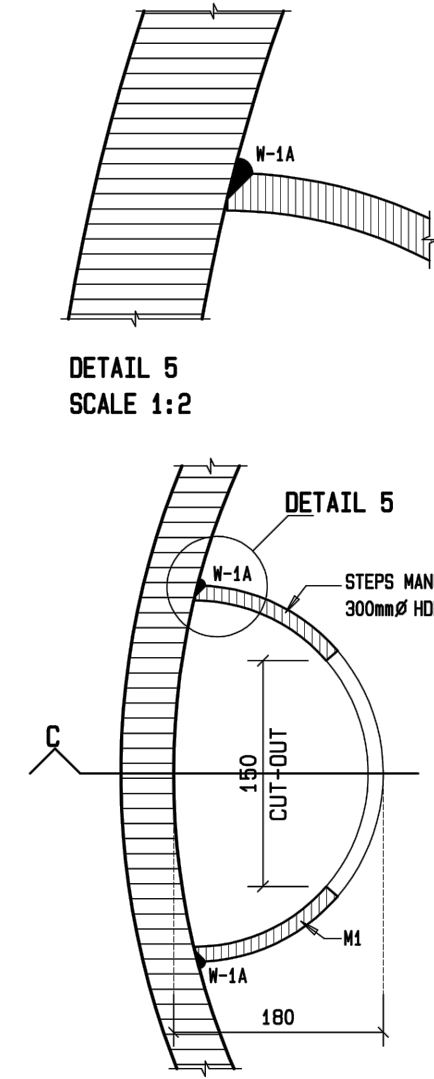
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HOOP STIFFNESS OF MANHOLE
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MANUFACTURING STANDARDS:
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SABS 0270 / SANS 10270
SABS 1269 / SANS 1269
SABS 1655 / SANS 1655
SABS 1671 / SANS 1671-1

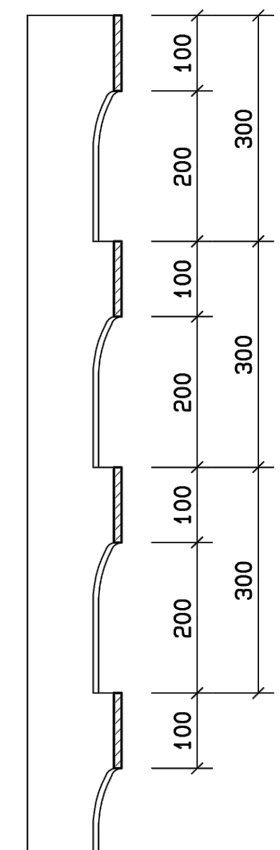
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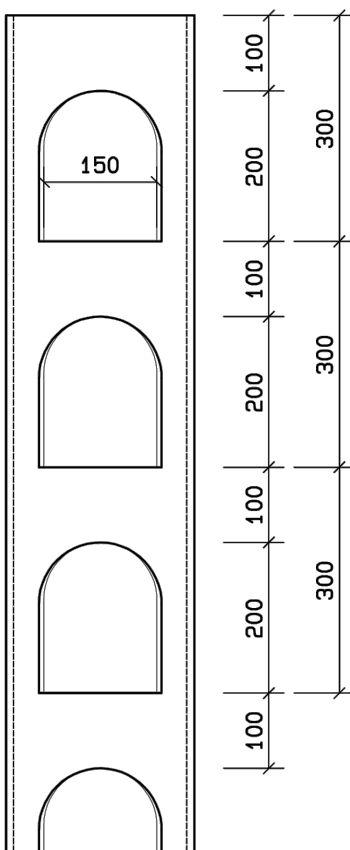
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GROUP B FIG 3B.
W-BUTT = REF TABLE A.2 BUTT
GROUP B



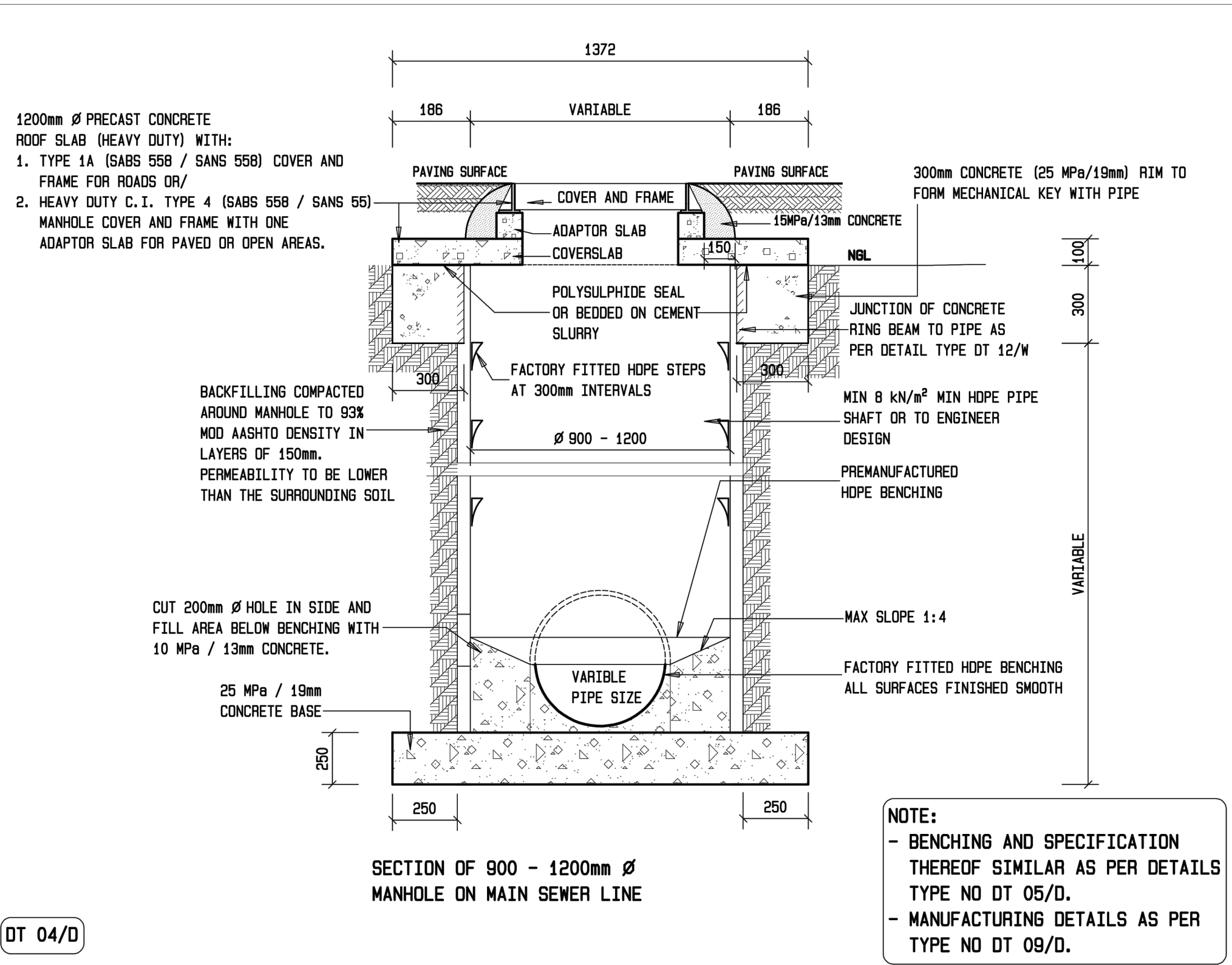
HDPE STEPS IN MANHOLE
PLAN
SCALE 1:5



SECTION C
SCALE 1:10
TYPICAL WELDING DETAILS FOR HDPE SEWER MANHOLE:
SECTION C



ELEVATION OF STEPS
SCALE 1:10
TYPICAL WELDING DETAILS FOR HDPE SEWER MANHOLE:
SECTION C



DT 04/D

GENERAL NOTES:

NOTES AND SPECIFICATIONS GENERAL

- DO NOT SCALE FROM THESE DRAWINGS.
- THE CONTRACTOR SHALL WHERE NECESSARY DETERMINE THE EXACT LOCATION OF EXISTING SERVICES AND PROTECT THEM FROM DAMAGE THROUGHOUT THE DURATION OF THE WORKS.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER WITH REGARDS TO STANDARD AND SPECIFICATION BEFORE ORDERING ANY MATERIAL.
- ONLY STAFF FROM LOCAL AUTHORITY WILL HANDLE ON EXISTING MUNICIPAL SERVICES UNLESS PERMISSION GRANTED TO THE CONTRACTOR IN WRITING BY THE LOCAL AUTHORITY.
- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
- ALL DIMENSIONS ARE IN MILLIMETRES. (UNLESS OTHERWISE SPECIFIED).
- ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
- FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE. CONTRACTOR TO CLEAN AND RESHAPE PORTION OF THE EARTH CHANNEL AS INDICATED BY THE RESIDENT ENGINEER.

REFERENCE DRAWINGS

DO NOT SCALE - IF
IN DOUBT, ASK

This drawing is confidential and the property of Aseda Consulting Engineers, and is subject to return upon demand.

CLIENT



CLIENT APPROVED

CLIENT'S NAME

CLIENT'S SIGNATURE

DATE

IMPLEMENTING AGENT

CONSULTANT:

aseda
BEYOND INFRASTRUCTURE

TEL 011 312 4070
FAX 011 312 2689
E-Mail: admin@aseda.co.za

BUILDING No. 7
546 CONSTANTIA PARK
16th ROAD
MIDRAND 1685

REV	DATE	DESCRIPTION	CHKD
0		TENDER	O.S
1		PRELIM DESIGN	O.S

PROJECT TITLE:
PROPOSED NEW DEVELOPMENT ADDITIONS &
ALTERATIONS TO KURUMAN TAXI AND BUS
RANK PROJECT

DRAWN TITLE:

SEWER DETAILS: SHEET 1 OF 2

DRAWN STATUS: TENDER	INCEPTION DATE: SEPT 2024
DESIGNED: K.NYANTEH	DRAWN: K.NYANTEH
CHECKED: O.SIMBA	SCALE: AS SHOWN
APPROVED:	DRG SIZE: A1
PROJECT ENGINEER'S NAME PROF. REG. No. DATE	Rev: 0

NW24004-CIV-SWR-300