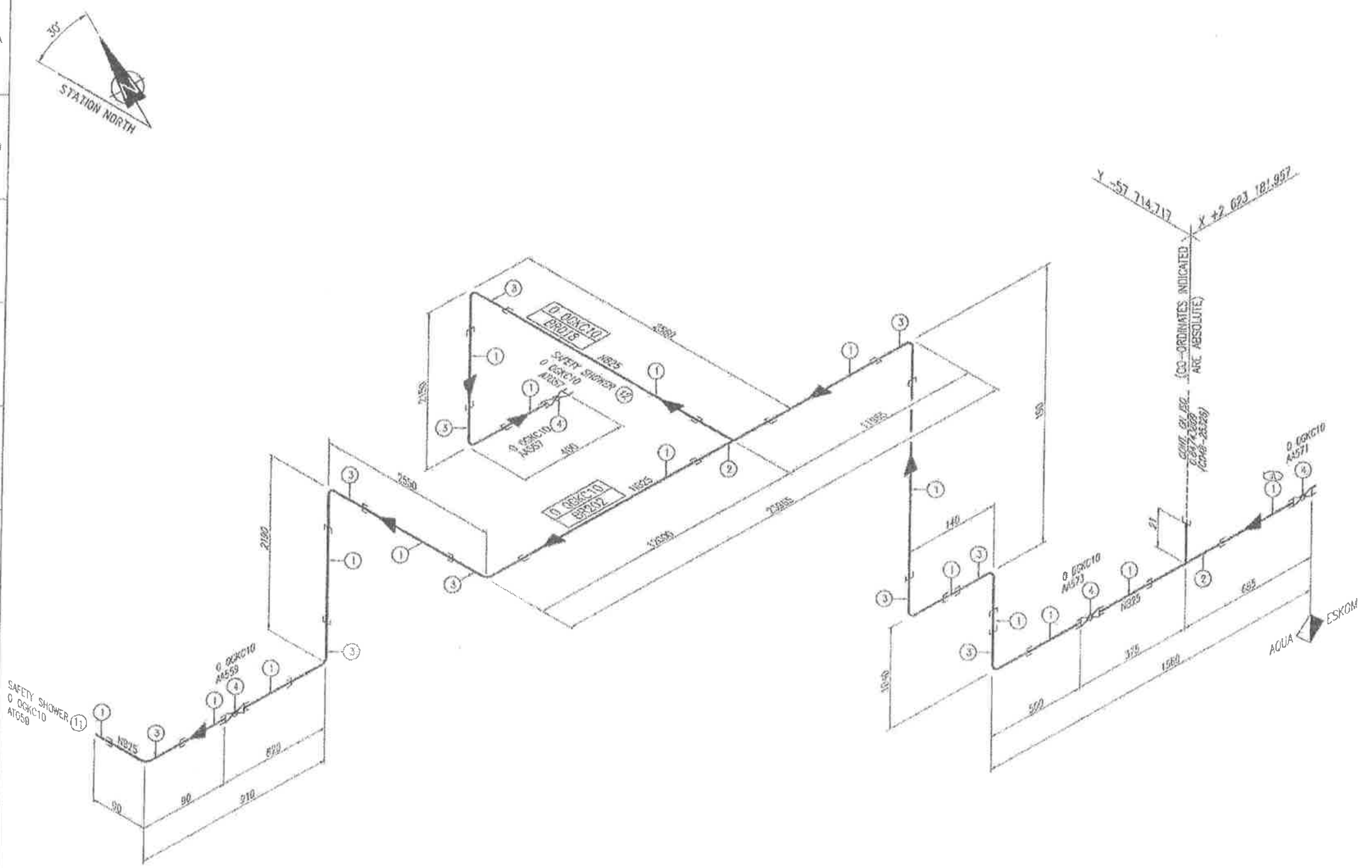

MATERIAL LIST

LINE No.

SERVICE: POTABLE WATER (CG SPECIFICATION)

ITEM	SIZE	QTY	DESCRIPTION
1	25	37.2 M	PIPE, SABS62 MED. WALL GALV.
2	25X25	2	EQUAL TEE, THRD, BS 1740 GALV.
3	25	10	ELBOW, 90 THRD, BS 1740 GALV.
4	25	4	BALL VALVE, THRD, HATTMA 2017K

GENERAL NOTES

1) ALL PIPING MATERIAL AS PER AQUA SPECIFICATION 200-12752.
2) ALL FITTINGS AS PER AQUA SPECIFICATION 200-12752.
3) ALL WELDS MUST BE CONTINUOUS, SMOOTH & FREE FROM ANY SLAG, SPLATTER ETC.
4) ALL SHARP EDGES, CORNERS, HOLES ETC TO BE GROUND SMOOTH & ROUNDED (ie 3mm RAD. MIN)
5) ALL FLANGES & GASKETS AS PER AQUA SPECIFICATION 200-12752. BOLT HOLES TO STRADDLE CENTRE LINES
6) ALL ITEMS TO BE CLEARLY MARKED USING HARD STAMPED LETTERING
7) PIPE MARKING LEGEND :- ITEM C048/05016-A
ORG ORIGINATED FROM — TAG No.
8) CORROSION PROTECTION :
9) CORROSION PROTECTION TO ESKOM SPECIFICATION – CSS 222
10) ALL S.STEEL BOLT THREADS MUST BE TREATED WITH A NICKEL BASED, ANTI-SEIZE CORROSION PROTECTION COMPOUND.
11) TOLERANCES – REFER TO QP/AE/28 PIPE FABRICATION SPECIFICATION
12) PLAIN PIPE ENDS SHOULD BE SMOOTH, WITH NO SEAMS, SCORE MARKS, DENTS OF OVALITY BEYOND THOSE DETAILED IN BS 534-1990 SECTION 15
13) THE C.P. OF THE STATION IS Y=-57 470.000 AND X=2 622 675.000 (I.A.W. WGS84/Lo27 SYSTEM)
14) THE STATION DATUM LEVEL IS 902.250 m.

WHERE APPLICABLE :
* GREEN ENDS – ALLOW AN ADDITIONAL 200mm TO LENGTH OF PIPE WHERE GREEN ENDS ARE SPECIFIED. TACK WELD FLANGE TO PIPE END IF REQUIRED.
ON SITE – CUT PIPE TO SUIT AND FULLY WELD FLANGE. REPAIR CORROSION PROTECTION AFTER WELDING.

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REV	DATE	REVISION	REV BY	CHKD BY	AUTH BY	RPS APP	REFERENCE DRAWINGS
2	17.03.16	AS BUILT	JWK	JR	JW	JY	0.84/4745 (C048-51018) R&I
1	22.09.15	APPROVED FOR CONSTRUCTION	JR	JWK	JW	JY	0.84/4744 (C048-51016) P&ID
0	17.03.15	ISSUED FOR REVIEW	TPS	J.C.	HX	JY	0.84/11303 (C048-05016) C.A.

ENG APPROVAL	05.03.15	S.S.
DESIGN APPROVED	05.03.15	N.M.
RPS APP	05.03.15	J.V.
DO AUTH	05.03.15	J.P.
CHKD BY	05.03.15	J.P.
DRAWN BY	05.03.15	TPS
SCALE	NTS	

Eskom

MEDUPI POWER STATION
WTP – POTABLE WATER
SUPPLY TO SAFETY SHOWERS 11 & 12
ISOMETRIC.

C048-25325

0.84/43808

SHEET 1 REV 2

SIZE A1L

DESIGN NOTES

A. DESIGN PRESSURE : 900 kPaG
B. OPERATING PRESSURE : kPaG
C. TEST PRESSURE (HYDROSTATIC) : 1350 kPaG
SYSTEM TEST ON SITE
D. TEMPERATURE : 25°C
E. STRESS RELIEF : ~~YES~~ / NO
F. CORROSION ALLOWANCE : N/A
G. NDE / NDT : YES / ~~NO~~
H. DESIGN CODE : ANSI B31.3 : 2008

AS BUILT

Signed : ....

Date 18/3/16