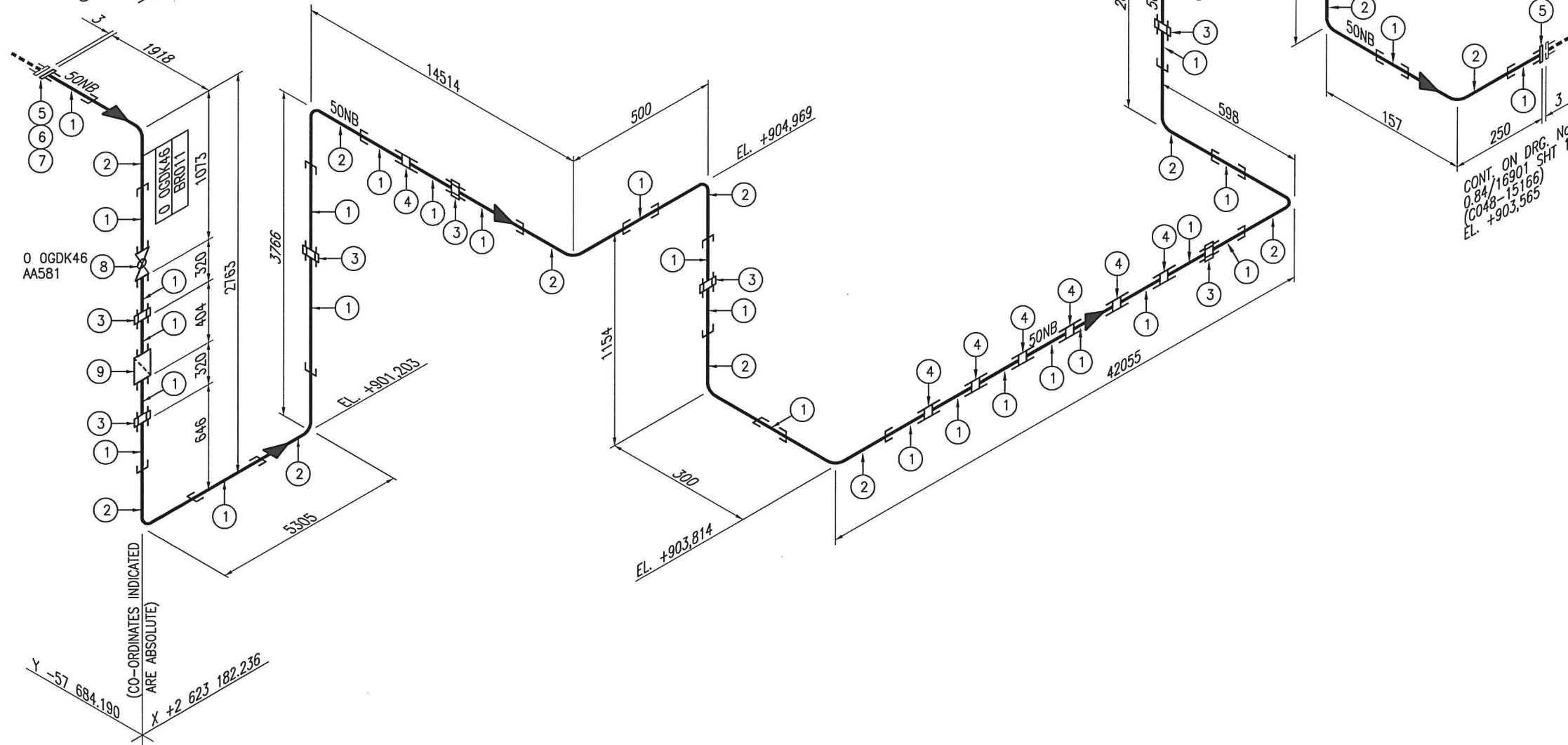


CONT. ON DRG. No.
0.84/17065 SHIT 1
(C046-55090)
EL. +903,965



MATERIAL LIST

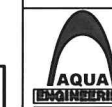
LINE No. 0 OGDK46 BR011

SERVICE: FW (FILTERED WATER) CG SPECIFICATION

ITEM	SIZE	QTY	DESCRIPTION
1	50	90.0 M	PIPE, SABS62 MED. WALL GALV.
2	50	14	ELBOW, 90 THRD, BS 1740 GALV.
3	50	9	SOCKET UNION, THRD, BS 1740 GALV.
4	50	7	STANDARD SOCKET, THRD, BS 1740 GALV.
5	50	2	FLG, RF THRD SABS 1123 1000/4, EN10025 S235JR
6	50	2	GASKET, RING TYPE TO SABS 1123 1000x3mm, RUBBER INSERTION
7	M16X50	8	BOLT, SET SABS 1123 T1000 SABS 135 GR 4.6 HD GALV.
8	50	1	BALL VALVE, THRD, HAITIMA 2017K
9	50	1	PISTON CHECK VALVE HAITIMA 2050, THRD

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 C048/55090-A
DRG ORIGINATED FROM TAG No.
- 8) CORROSION PROTECTION : H.D. GALV.
- 9) CORROSION PROTECTION TO ESKOM SPECIFICATION - CSS 222
- 10) ALL S.S. 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.
- 15) PIPING TO BE SITE RUN
- 16) PIPING SUPPORTED ON PIPE RACK. ADDITIONAL PIPE SUPPORTS TO MADE TO SUIT ON SITE DURING INSTALLATION



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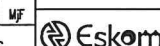
REV	DATE	DESCRIPTION	BY	CHKD BY	APP
3	13.11.13	AS-BUILT	JMK	J.P.	H.J.
2	10.04.12	PIPE RE-ROUTED	TPS	J.C.	B.D.
1	31.10.11	APPROVED FOR CONSTRUCTION	S.E.	J.D.C.	B.D.
0	20.06.11	ISSUED FOR REVIEW	M.F.	BR	BD

DRG REGISTR	11:08:11	S.S.	APPROVED FOR CONSTRUCTION	DATE
DESIGN APPROVED	11:08:11	H.J.		
IOS APP	11:08:11	J.V.		
DO AUTH	11:08:11	B.D.		
CHKD BY	11:08:11	BR		
DRAWN BY	10:08:11	M.F.		
SCALE	NTS			

DESIGN NOTES

- A. DESIGN PRESSURE : 900 kPaG
B. OPERATING PRESSURE : 300 kPaG
C. TEST PRESSURE (HYDROSTATIC) : 450 kPaG
D. TEMPERATURE : 24°C
E. STRESS RELIEF : YES / NO
F. CORROSION ALLOWANCE : N/A
G. NDE / NDT : YES / NO

AS BUILT
Signed Date 15/5/2014



0.84/23589

SPF CODE SHEET REV
1 3