

POINT	ITEM No.	QTY	DESCRIPTION	KKS CODE	Y	X	Z
33	CL A4/CDB/1	2	50NB STRAIGHT PIPE (218mm)	---	N/A	N/A	N/A
34	CL A4/CDB/2	22	50NB x 90° LONG RADIUS BEND	---	N/A	N/A	N/A
35	CL A4/CDB/3	2	50NB STRAIGHT PIPE (1760mm)	---	N/A	N/A	N/A
36	CL A4/CDB/4	6		0 0GNB63 AA505	-58 404.829	+2 622 066.054	884.286
37				0 0GNB63 AA506	-58 405.090	+2 622 067.019	884.286
38			50NB KNIFE GATE VALVE	0 0GNB63 AA509	-58 446.327	+2 622 084.005	892.225
39				0 0GNB63 AA507	-58 445.567	+2 622 08.854	892.225
40				0 0GNB63 AA511	-58 442.430	+2 622 052.249	892.225
41				0 0GNB63 AA510	-58 442.506	+2 622 052.531	892.225
42	CL A4/CDB/5	1	50NB STRAIGHT PIPE (376mm)	---	N/A	N/A	N/A
43	CL A4/CDB/6	2	50NB STRAIGHT PIPE (1522mm)	---	N/A	N/A	N/A
44	CL A4/CDB/7	2	50NB STRAIGHT PIPE (200mm)	---	N/A	N/A	N/A
45	CL A4/CDB/8	2	50NB T-PIECE	---	N/A	N/A	N/A
46	CL A4/CDB/9	2	50NB STRAIGHT PIPE (350mm)	---	N/A	N/A	N/A
47	CL A4/CDB/10	-	---	---	N/A	N/A	N/A
48	CL A4/CDB/11	1	50NB STRAIGHT PIPE (15318mm)	---	N/A	N/A	N/A
49	CL A4/CDB/12	1	50NB STRAIGHT PIPE (6870mm)	---	N/A	N/A	N/A
50	CL A4/CDB/13	2	50NB STRAIGHT PIPE (6510mm)	---	N/A	N/A	N/A
51	CL A4/CDB/14	5	50NB x 45° LONG RADIUS BEND	---	N/A	N/A	N/A
52	CL A4/CDB/15	2	50NB STRAIGHT PIPE (4736mm)	---	N/A	N/A	N/A
53	CL A4/CDB/16	2	50NB STRAIGHT PIPE (27 180mm)	---	N/A	N/A	N/A
54	CL A4/CDB/17	-	50NB STRAIGHT PIPE (12 082mm)	---	N/A	N/A	N/A
55	CL A4/CDB/18	3	50NB STRAIGHT PIPE (2 915mm)	---	N/A	N/A	N/A
56	CL A4/CDB/19	1	50NB STRAIGHT PIPE (550mm)	---	N/A	N/A	N/A
57	CL A4/CDB/20	1	50NB STRAIGHT PIPE (12 808mm)	---	N/A	N/A	N/A
58	CL A4/CDB/21	1	50NB STRAIGHT PIPE (24 395mm)	---	N/A	N/A	N/A
59	CL A4/CDB/22	1	50NB SWEEPING T-PIECE	---	N/A	N/A	N/A
60	CL A4/CDB/23	1	15mm SAUNDERS VALVE FOR PIT	0 0GNB63 AA301	-58 406.957	+2 622 066.929	884.952
61	CL A4/CDB/110	1	50NB STRAIGHT PIPE (11 200mm)	---	N/A	N/A	N/A
62	CL A4/CDB/120	1	50NB STRAIGHT PIPE (7 160mm)	---	N/A	N/A	N/A
63	CL A4/CDB/500	1	50NB STRAIGHT PIPE (310mm)	---	N/A	N/A	N/A
64	CL A4/CDB/400	1	50NB ACTUATED VALVE	---	N/A	N/A	N/A

NB: ALL CO-ORDINATES SHOWN IN THE TABLE ABOVE ARE AND MAY CHANGE DURING CONSTRUCTION.

PIPING:

1. PIPING TO BE SANS 62 HEAVY UP & INCLUDING 150NB & SANS 719 GRADE B 6THK WALL FOR 200 NB AND ABOVE
2. ALL ITEMS TO BE CLEARLY HARD MARKED ON PIPE APPROX. 300mm FROM FIXED FLANGE WITH ITEM NUMBER & DRAWING NUMBER. RUBBER HOSES TO BE SECURELY TAGGED WITH ITEM NUMBER & DRAWING NUMBER.
3. ALL FLANGES TO BE TO S.A.N.S. 1123-11000- DIMENSIONS TO NP/3 FLAT FACE
4. FLANGES TO BE FITTED WITH HOLES OFF CENTER (i.e. 2 HOLES TOP)
5. ALL FLANGES TO BE FLAT FACED SLIP
6. ALL GASKETS TO BE FULL FACE 3.0mm THICK, EPDM INSERTION RUBBER GASKETS, OR SIMILAR APPROVED
7. ALL STEEL BENDS TO HAVE R=3xDIA. ALL RUBBER HOSES TO HAVE R=10xDIA.
8. BUTT WELDED PIPE FITTINGS TO COMPLY WITH ASTM A234 GRADE WPB, SIZES TO ANSI B19.9
9. SCREWED PIPES & FITTINGS: (40 NB AND SMALLER)
 - a) SCREWED TO B.S. 21
 - b) WROUGHT STEEL FITTING TO B.S. 1740
 - c) MALLEABLE CAST IRON PIPE FITTINGS TO SANS 509
10. ALL CLOSERS TO BE SUPPLIED 100mm LONGER THAN DRAWING DIMENSION (i.e. AS PER MATERIAL LIST DIMENSION) & WITH LOOSE FLANGE TO ALLOW FOR SITE ADJUSTMENT
11. LOOSE FLANGES ARE MARKED THUS*
12. FABRICATOR TO SUPPLY ALL NUTS, BOLTS & WASHERS, SUITABLY BAGGED, (INCL. 5% SPARES) LABELED & DISPATCHED TO SITE TOGETHER WITH PIPING, FASTENERS TO BE ELECTROPLATED EXCEPT FOR THOSE REQUIRED FOR OUT OF PLANT PIPING WHICH ARE TO BE HOT DIP GALVANIZED.
13. ALL FLUSHING POINTS TO BE FITTED WITH 25NB NIPPLE, 25NB BALL VALVE (C.I.) AND 25NB QUICK RELEASE COUPLING.
14. FOR CORROSION PROTECTION INFORMATION SEE MEDUPI POWER STATION CORROSION PROTECTION SPECIFICATION (DOC No. SSZ.45-17) - REF. CPS1000 HOT DIP GALVANIZING.

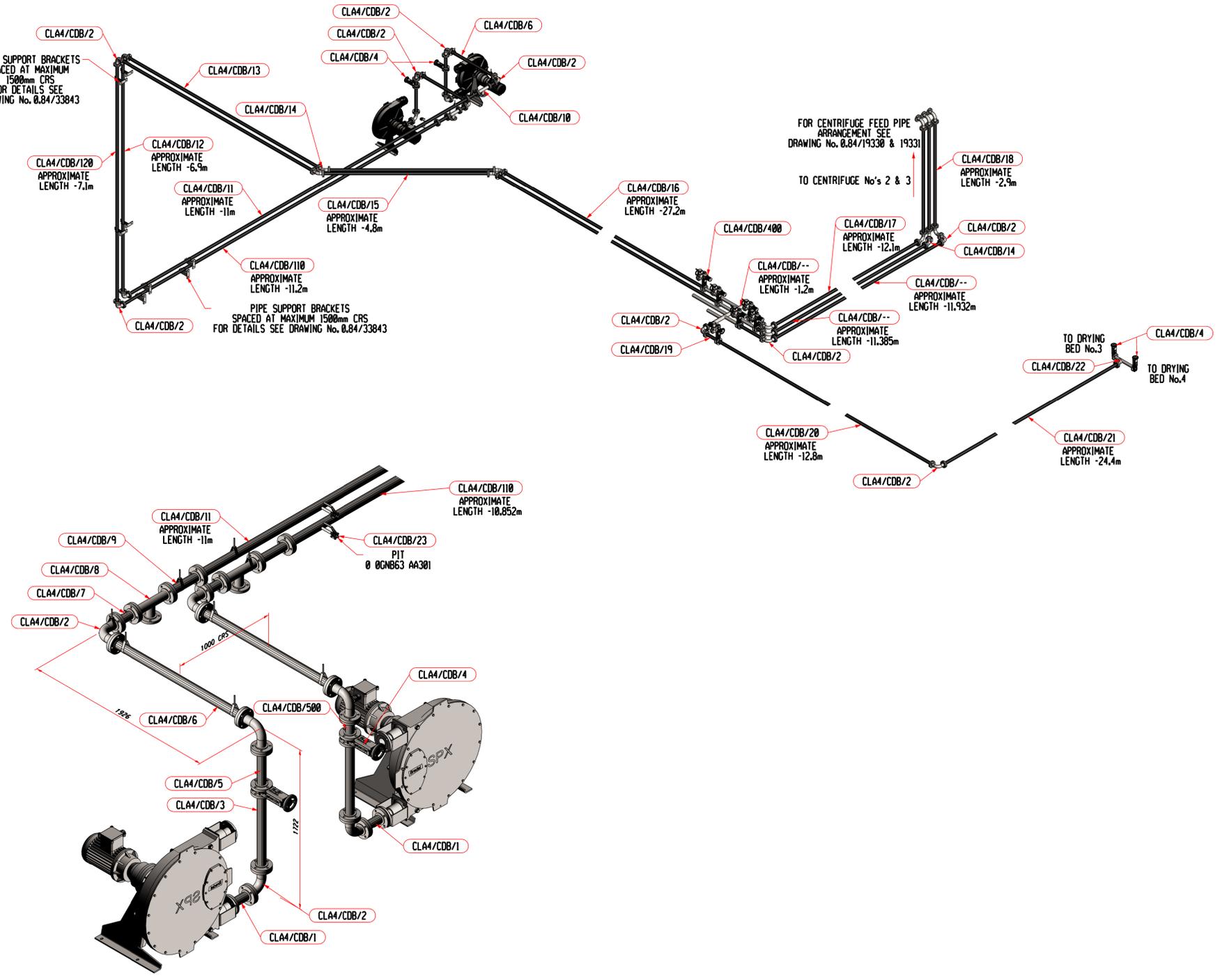
REFERENCE DRAWINGS:

- CLARIFIERS GENERAL ARRANGEMENT SEE DRAWING No. 0.84/7821
- CLARIFIER TO ASH PUMPS SEE DRAWING No. 0.84/16470 SHT 1
- FLUSH WATER PIPE ROUTE SEE DRAWING No. 0.84/16470 SHT3
- ASH PUMPS TO CENTRIFUGE/DRYING BEDS SEE DRAWING No. 0.84/19234 (SHT1)
- PIPE HANGER & SUPPORT BRACKET DETAILS SEE DRAWING No. 0.84/33843

NOTES

1. ALL PIPE DIMENSIONS ARE TO BE CHECKED & CONFIRMED ON SITE TO ORDERING
2. REFER TO TECHNICAL DATA PACK FOR TECHNICAL SPECIFICATION OF VALVES, ETC.
3. WORKSHOP FABRICATION DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING FABRICATION.

CHECK PRINT
Signature: _____
Date: ____/____/____



5	2025-07-02	RECREATED AS PER WORK REQUEST CAD-2025-502	EH	MM				
4	2013-05-31	PIPE ROUTE TO DRYING BEDS UPDATED	BM	AP	LA	AP		
3	2012-11-12	PIPE SUPPORTS ADDED	BM	AP	LA	TS		
D.O. REV. DATE			** REVISION **		REV. BY	CHKD. BY	APP. BY	REFERENCE DRAWINGS
APPROVED BY:		CLASSIFICATION:		MEDUPI POWER STATION				
PR. ENG./PR. TECH. ENG. No.:		PBS PATH:		ASH WASHDOWN - COLLECTION AND TREATMENT				
DATE:		UCD, UGU & GNB		SECONDARY TREATMENT PLANT				
SIGNATURE:				CLARIFIERS - PIPEWORK DETAILS				
CODIFICATION BY:				SLUDGE PUMPS TO CENTRIFUGE / DRYING BEDS				
CHECKED BY:				ESKOM				
M. MOLABE 2025-07-02				ESKOM HOLDINGS SOC. Ltd				
CREATED BY:				REG. No. 2002/015527/30				
E. HLATSHWAYO 2025-07-02				ESKOM DRAWING No.				
SCALE: N.T.S.				0.84/16470 (SHT3)				
				SHT 3/5				
				REV 5				