



FLOOR PLAN

SCHEDULE OF SPECIALS:						
ITEM	QUANTITY	GRADE	TEST PRESSURE kPa	DESCRIPTION	SYMBOL & DIMENSION	
1	2	S355JR + N	3500	DN1500 PUDDLE FLANCE, PUDDLE FLANCE AS PER DRG No. RA26448 FOR DETAILS.		
2	2	S355JR + N	3500	COLLAR PLATE TO BE 6mm THICK	3220	
3	1	S355JR + N	3500	324mm O.D PIPE, 100mm LONS, FLANCED GNE END, PLAIN ENDED OTHER END. t= 9.52mm	100 =	
4	2		3500	DNIOO SLUCE GATE VALVE FLANGES AS PER PAND WATER DWG A11791  REFER TO RAND WATER VALVE SPECIFICATION: RW 0310/AS0460		
5	4	S355JR + N	3500	COLLAR PLATE TO BE 6mm THICK	S 1/80	
6	1	S355JR + N	3500	324mm O.D STRAIGHT PIPE, 1305mm LDNG FLANGED BOTH ENDS WITH 114mm O.D STUB, 615mm LDNS PJAN STOOD SO BOHESTONED. FLANGES AS PER PAND WATER DWG A11791 324mm O.D. t = 9.52mm 114mm O.D. t = 6.02mm	1305	
7	1	S355JR + N	3500	324mm 0.D PLAIN ENDED PIPE, 300mm LONG. t= 9.52mm	[ <del>* 300 *</del> ]	
8	2	S355JR + N	3500	324mm O.D ELLIPSOIDAL DOME		
9	1	S355JR + N	3500	DIRT BOX AS DIMENSIONED	300 1240	
10	1	S355JR + N	3500	DN300 DISMANTLING JOINT		

SCHEDULE OF SPECIALS:						
ITEM	QUANTITY	GRADE	TEST PRESSURE kPa	DESCRIPTION	SYMBOL & DIMENSION	
11	2	\$355JR + N	3500	INSULATION FLANCE AS PER DRG No. A9548		
12	1		3500	DN300 ELECTROMAGNETIC FLOW METER FLANCES TO BE AS PER RAND WATER DWG A11791  REFER TO RAND WATER AUTOMATION SYSTEM SPECIFICATION.		
13	1	S355JR + N	3500	324mm O.D FLANCED BOTH ENDS PIPE WITH 114mm O.D STUB PIPE AT 785mm FROM C/PID PLAN BORDED AND COULAR PLATE ADDED. COLLAR PLATE AS PER ITEM 5 324mm O.D. t = 9.52mm 114mm O.D. t = 6.02mm	500	
14	1	\$355JR + N	3500	324mm O.D PUDDLE PIPE, 2070mm LONG FLANCED ONE PLAN ENDED OTHER PIOL WITH 114mm O.D STUB, 750mm LONG PLAN ENDED AS DIMENSIONED, COLLAR PLATE ADDEED.  COLLAR PLATE AS PER ITEM 5 324mm O.D. t = 9.52mm 114mm O.D. t = 6.62mm	2070	
15	3		3500	114.3mm 0.0 90 BEND, FLAN ENDED t=6.02mm	214	
16	3	S355JR + N	3500	114.3mm 0.D PIPE FLANCED ONE END, PLAN ENDED OTHER END, 590mm LONG	590	
17	2		3500	DNIOD SLUICE GATE WALVE FLANGES TO BE AS PER RAND WATER DWG A11791 REFER TO RAND WATER WALVE SPECIFICATIONS RW 0310/AS460		
18	1	S355JR + N	3500	114.3mm O.D. PPE FLANGED ONE END, PLAN DNEED OTHER RND, 100mm LONG $t = 6.02 mm \label{eq:total_rnd}$	100	

## DRG No.RO 29197

- NOTES FOR STEEL PIPES AND SPECIAL
- ALL STEEL PIPEWORK SHALL BE WELDED IN ACCORDANCE TO SANS 719 LATEST EDITION.
- WELDING SHALL BE AS PER SANS 100440-1 LATEST EDITION.
- ALL FLANGES SHALL BE RATED AND DRILLED TO RAND WATER STANDARD DRAWING NO A11791 LATEST REVISION.

- . ALL PIPE SPECIALS LARGER THAN 600mm DIAMETER SHALL E GRADED AS PER S355JR + N OR THE SAME GRADE AS THE MAIN PIPE.
- ALL TESTS FOR THE SPECIALS TO BE DONE ACCORDINGLY AND CERTIFIED BY RAND WATER.
- O. ALL QUALITY CONTROL DOCUMENTS TO BE SUBMITTED TO RAN WATER IN A FILE FORMAT AT THE END OF THE CONTRACT TOGETHER WITH THE HYDRAULIC TEST RESULTS AND AS-BUILTS.
- . PRESSURE GAUGES SHALL BE CAPABLE OF READING WITHIN 0.5% ACCURACY AT FULL SCALE ACCURACY.
- EACH PRESSURE GAUGE SHALL BE MANUFACTURED TO COMPLY WITH 1P68 REQUIREMENTS.
- 13. THE PRESSURE CAUCES SHALL BE ALL STAINLESS STEEL, CYCERINE FILLED AND SUITABLE TO MEASURE UP TO MODRIFA A CHARICAL SALE IN STAILLED FOR EACH CAUGE. THIS TYPE OR ALTERNATIVE CAUGE TYPES CAPABLE OF THIS CHARGION STAIL BE SUPPOLD AND INSTALLED. EACH CAUGE SHALL BE INSTALLED USING STAINLESS SLEEL FITTINGS AND EACH CAUGE SHALL HAVE ITS OWN BALL VALVE FOR USE AS AN ISOLATOR.

- PRODUCTION OF COATED STEEL USING FIBRE REINFORCED BITUMINOUS MATERIAL SHALL BE AS PER SANS 1178: 2012 OR LATEST EDITION.
- INTERNAL AND EXTERNAL ORGANIC COATING PROTECTION FOR BURIED PIPES SHALL BE AS PER SANS 1217: 2015 OR LATEST EDITION.

- SURFACE PREPARATION SHALL BE AS PER RAND WATER SPECIFICATION OR AS PER COATING SYSTEM.
- ALL STEEL PIPEWORK OUTSIDE THE CHAMBER SHALL BE WRAPPED WITH DENSO TAPE.

			VISIONS	
No	DATE	CHECKED	APPROVED	DESCRIPTION

(	REFERENCE DRAWINGS
NUMBER	TITLE
RA26448	TYPICAL PUDDLE FLANGE DRAWING
A11791	STANDARD FLANGE DIMENSIONS
A9548	INSULATION FLANGE
A12210	VALVE SUPPORTS
RA27329	DETAILS OF EXTERNAL MASS CONCRETE
	ACCESS STEPS
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	BOX 1127



1		C) TOTAL MILES 2007 THE HIGHER TREATIVES							
l	SAP No.	P.XXXXX	CHECKED BY T. M/SHIGO	Garyo					
	CONTRACT No.	RWXXX	D.O.M. C. TUMBARE						
	DESIGNED BY	A. SAMBO	APPROVED Mkhize	ministration pr marketing pr 106					
	DRAWN BY	R. RAHLANA	REG. No20200						
	DATE	11/08/2022	DATE6/08)	2022					

# PIPELINES & BOOSTERS

PRETORIUSRAND TO DIEPSLOOT

DN300 METER CONNECTION TO 600mm Ø H33 PIPELINE

DRG No. RO 29197