

ITEM No.	ITEM	DESCRIPTION	MATERIAL	NUMBER OF ITEMS	CORROSION PROTECTION	
					INT.	EXT.
3.13		600Ø PIPE, FLANGED BOTH ENDS WITH PUDDLE FLANGE	MS	1	L - FBE	C - FBE
3.14		600Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
3.15		600Ø PIPE, FLANGED BOTH ENDS	MS	2	L - FBE	C - FBE
3.16		600mm x 350mm GUSSETED T-PIECE	MS	1	L - FBE	C - FBE
S03		600mm x 500mm SWIFT T-PIECE	MS	1	L - FBE	C - FBE
3.17		600Ø TO 500Ø ECCENTRIC FLANGED JIS B 2311-09 REDUCER	MS	1	L - FBE	C - FBE
3.18		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
3.20		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
3.21		500Ø PIPE, FLANGED BOTH ENDS WITH PUDDLE FLANGE	MS	1	L - FBE	C - FBE
3.22		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
3.23		500Ø LONG RADIUS 30° BEND FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
3.24		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
4.1		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
4.3		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE

ITEM No.	ITEM	DESCRIPTION	MATERIAL	NUMBER OF ITEMS	CORROSION PROTECTION	
					INT.	EXT.
4.4		500Ø PIPE, FLANGED BOTH ENDS WITH PUDDLE FLANGE	MS	1	L - FBE	C - FBE
4.5		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
4.6		500Ø PURPOSE MADE Z-PIECE FROM 2 x SHORT RADIUS JIS B 2311-09	MS	1	L - FBE	C - FBE
4.7		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
S04		600Ø TO 500Ø x 60° ECCENTRIC Y-PIECE	MS	1	L - FBE	C - FBE
5.1		600Ø FLANGE WELDED ONTO EXISTING PIPE	MS	2	L - FBE	C - FBE
6.1		450Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
6.2		600Ø PIPE ONE END FLANGED OTHER END PLAIN WITH PUDDLE FLANGE	MS	1	L - FBE	C - FBE
7.1		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
7.2		500Ø LONG RADIUS 45° BEND FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
7.3		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE
7.4		500Ø PIPE, FLANGED BOTH ENDS WITH PUDDLE FLANGE	MS	2	L - FBE	C - FBE
7.5		500Ø PIPE, FLANGED BOTH ENDS	MS	2	L - FBE	C - FBE
7.7		500Ø PIPE, FLANGED BOTH ENDS	MS	1	L - FBE	C - FBE

**CORROSION PROTECTION CODES**  
FACTORY APPLICATION

L - G	LINING	GALVANIZING
C - G	COATING	GALVANIZING
L - SFEP	LINING	SOLVENT-FREE EPOXY PAINT (SANS 1217-TYPE 1B MATERIAL)
C - SFEP	COATING	SOLVENT-FREE EPOXY PAINT (SANS 1217-TYPE 1B MATERIAL)
L - FBE	LINING	FUSION BONDED EPOXY (SANS 1217-TYPE 2A MATERIAL)
C - FBE	COATING	FUSION BONDED EPOXY (SANS 1217-TYPE 2A MATERIAL)
L - CM	LINING	CEMENT/MORTAR

**ON SITE APPLICATION, AFTER INSTALLATION**

S - PE	POLYURETHANE EXTERNAL COATING (SANS 1217-TYPE 1C MATERIAL) (NO ENAMEL PAINT TO BE APPLIED ON PIPEWORK BURIED OR SUBMERGED IN WATER - ONLY ON EXPOSED PIPEWORK)
S - TW	ALL UNDERGROUND BOLTED FLEXIBLE AND FLANGED COUPLINGS MUST BE PROTECTED WITH PETROLEUM MASTIC AND TAPE WRAPPING. ALL UNDERGROUND STEEL PIPES TO BE COATED WITH DENSO PRIMER D AND WRAPPED WITH DENSOCALD 70 TAPE

**MATERIAL LIST**

SS304L : STAINLESS STEEL GRADE 304L  
MS : MILD STEEL GRADE 300W  
GMS : HOT-DIPPED GALVANIZED MILD STEEL

NOTE: FLANGED TO SABS 1123 TABLE 1600/3  
\* DIMENSION INDICATIVE. TO BE CONFIRMED ON SITE

FOR TENDER ONLY

<b>CONSULTING ENGINEERS:</b> TRI-M CONSULTING ENGINEERS WEWORK 155 WEST STREET SANDTON, JOHANNESBURG	DESIGNED	P. S. Botha	05/08/2024
	DRAWN	J. Nel	05/08/2024
	CHECKED	P. S. BOTHA	05/08/2024
	APPROVED BY:		
	P. S. Botha		
<b>CLIENT POSTAL ADDRESS:</b> JOHANNESBURG WATER P O BOX 61542 MARSHALLTOWN 2107	ECSA REG. No.		
	CHECKED		
	SIGNATURE		
	DATE		
	SIGNATURE		



**PHYSICAL ADDRESSES:**  
 65 NTEMI PILISO STREET  
 NEWTOWN  
 JOHANNESBURG

TEL: (011) 688-1400  
 FAX: (011) 688-1529

**Turffontein Corridors of Freedom**  
 Water Upgrade  
 Foresthill Tower and Pump station

**SITE WORKS PART B**  
 PIPE SCHEDULE (4)

SURVEY INFORMATION		APPROVAL BY JW DEPOT		SCALE	AMENDMENTS	
PROJECT SURVEYOR:		CHECKED		1: 50: 1: 25	REV:	DESCRIPTION
DATE:		APPROVED BY:		0		TENDER PURPOSES
		SIGNATURE				05/08/2024
		DATE				
CCTV INFORMATION		APPROVAL BY JW PLANNING				
CCTV COMPANY:		CHECKED				
DATE:		APPROVED BY:				
		SIGNATURE				
		DATE				

JW14402	W08	0
CONTRACT NUMBER	DRAWING No.	REV.
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ORIGINAL PAGE SIZE		
FILE No.		