

PIPE SPECIAL SCHEDULE (REF. DRG. NO. 2H-C5-032)				
ITEM No.	DN (mm)	MATERIAL	DESCRIPTION (REFER TO DRG 2A-C6-127 AND SECTION 37 FOR CORROSION PROTECTION)	TOTAL PER INSTALLATION
(B1)	900 400	STEEL GRADE X42 REDUCER WT=12 mm	ECCENTRIC REDUCER: DN 900 mm X DN 400 mm FLANGED ECCENTRIC REDUCER. CLASSIFICATION: TABLE 1	1
(B2)	400	STEEL GRADE X42 WT=10 mm	SPECIAL TEE: DN 400 mm FLANGED EQUAL TEE. REINFORCEMENT TYPE & CLASSIFICATION: TABLE 1	2
(B3)	400	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 400 mm FLANGED STRAIGHT PIPE. CLASSIFICATION: TABLE 1	2
(B4)	400	—	BUTTERFLY VALVE: DN 400 mm ACTUATED BUTTERFLY VALVE WITH GEARBOX ON LEFT HAND SIDE, RIGHT OFF-SET. CLASSIFICATION: TABLE 1	2
(B5)	400	—	BUTTERFLY VALVE: DN 400 mm ACTUATED BUTTERFLY VALVE WITH GEARBOX ON RIGHT HAND SIDE, RIGHT OFF-SET. CLASSIFICATION: TABLE 1	2
(B6)	400	—	FLANGE ADAPTOR: FLANGE ADAPTOR WITH RESTRAINING BOLTS. CLASSIFICATION: TABLE 1	6
(B7)	400	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 400 mm STRAIGHT PIPE. ONE END PLAIN ENDED WITH RESTRAINING FLANGE, OTHER END FLANGED. CLASSIFICATION: TABLE 1	2
(B8)	400	—	SPECIAL STRAINER: REFER TO DRAWING 2A-C6-185 FOR DETAIL. CLASSIFICATION: TABLE 1	2
(B9)	400 150	STEEL GRADE X42 WT=10 mm STEEL GRADE X42 WT=8 mm	SPECIAL STRAIGHT PIPE: DN 400 mm FLANGED STRAIGHT PIPE WITH DN 150 mm FLANGED BRANCH. REINFORCEMENT TYPE AND CLASSIFICATION: TABLE 1	2
(B10A)	400	—	PRESSURE CONTROL VALVE: CLASSIFICATION: TABLE 1	2
(B10B)	400	—	FLOW CONTROL VALVE: CLASSIFICATION: TABLE 1	2
(B11)	400 150	STEEL GRADE X42 WT=11 mm STEEL GRADE X42 WT=8 mm	SPECIAL STRAIGHT PIPE: DN 400 mm STRAIGHT PIPE, ONE END PLAIN ENDED WITH RESTRAINING FLANGE, OTHER END FLANGED. WITH DN 150 mm FLANGED BRANCH. REINFORCEMENT TYPE AND CLASSIFICATION: TABLE 1	4
(B12)	400	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 400 mm FLANGED STRAIGHT PIPE. CLASSIFICATION: TABLE 1	2
(B13)	400	STEEL GRADE X42 WT=6,5 mm	SPECIAL ELBOW: DN 400 mm FLANGED ELBOW. CLASSIFICATION: TABLE 1	2
(B14)	150	SS GRADE 316L	BALL VALVE: DN 150 mm FLANGED BALL VALVE. CLASSIFICATION: TABLE 1	6
(B14A)	150	—	AIR VALVE: FLANGED DOUBLE ACTING AIR VALVE WITH ANTI SHOCK ORIFICE MECHANISM. CLASSIFICATION: TABLE 1	2
(B15)	150 25	SS GRADE 316L	BLANK FLANGE: DN 150 mm BLANK FLANGE WITH DN 25 mm THREADED SOCKET IN MIDDLE OF FLANGE. CLASSIFICATION: TABLE 1	4
(B16)	25	SS GRADE 316L	BALL VALVE: DN 25 mm THREADED BALL VALVE TO FIT 25 mm SOCKET.	4

PIPE SPECIAL SCHEDULE (REF. DRG. NO. 2H-C5-033)				
ITEM No.	DN (mm)	MATERIAL	DESCRIPTION (REFER TO DRG 2A-C6-127 AND SECTION 37 FOR CORROSION PROTECTION)	TOTAL PER INSTALLATION
(C1)	900 300	STEEL GRADE X42 REDUCER WT=12 mm	ECCENTRIC REDUCER: DN 900 mm X DN 300 mm FLANGED ECCENTRIC REDUCER. CLASSIFICATION: TABLE 1	1
(C2)	300	STEEL GRADE X42 WT=10 mm	SPECIAL TEE: DN 300 mm FLANGED EQUAL TEE. REINFORCEMENT TYPE & CLASSIFICATION: TABLE 1	2
(C3)	300	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 300 mm FLANGED STRAIGHT PIPE. CLASSIFICATION: TABLE 1	2
(C4)	300	—	BUTTERFLY VALVE: DN 300 mm ACTUATED BUTTERFLY VALVE WITH GEARBOX ON RIGHT HAND SIDE, LEFT OFF-SET. CLASSIFICATION: TABLE 1	2
(C5)	300	—	BUTTERFLY VALVE: DN 300 mm ACTUATED BUTTERFLY VALVE WITH GEARBOX ON LEFT HAND SIDE, RIGHT OFF-SET. CLASSIFICATION: TABLE 1	2
(C6)	300	—	FLANGE ADAPTOR: FLANGE ADAPTOR WITH RESTRAINING BOLTS. CLASSIFICATION: TABLE 1	6
(C7)	300	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 300 mm STRAIGHT PIPE. ONE END PLAIN ENDED WITH RESTRAINING FLANGE, OTHER END FLANGED. CLASSIFICATION: TABLE 1	2
(C8)	300	—	SPECIAL STRAINER: REFER TO DRAWING 2A-C6-185 FOR DETAIL. CLASSIFICATION: TABLE 1	2
(C9)	300 150	STEEL GRADE X42 WT=10 mm STEEL GRADE X42 WT=8 mm	SPECIAL STRAIGHT PIPE: DN 300 mm FLANGED STRAIGHT PIPE WITH DN 150 mm FLANGED BRANCH. REINFORCEMENT TYPE AND CLASSIFICATION: TABLE 1	2
(C10A)	300	—	PRESSURE CONTROL VALVE: CLASSIFICATION: TABLE 1	2
(C10B)	300	—	FLOW CONTROL VALVE: CLASSIFICATION: TABLE 1	2
(C11)	300 150	STEEL GRADE X42 WT=10 mm STEEL GRADE X42 WT=8 mm	SPECIAL STRAIGHT PIPE: DN 300 mm STRAIGHT PIPE, ONE END PLAIN ENDED WITH RESTRAINING FLANGE, OTHER END FLANGED. WITH DN 150 mm FLANGED BRANCH. REINFORCEMENT TYPE AND CLASSIFICATION: TABLE 1	4
(C12)	300	STEEL GRADE X42 WT=6,5 mm	SPECIAL STRAIGHT PIPE: DN 300 mm FLANGED STRAIGHT PIPE. CLASSIFICATION: TABLE 1	2
(C13)	300	STEEL GRADE X42 WT=6,5 mm	SPECIAL ELBOW: DN 300 mm FLANGED ELBOW. CLASSIFICATION: TABLE 1	2
(C14)	150	SS GRADE 316L	BALL VALVE: DN 150 mm FLANGED BALL VALVE. CLASSIFICATION: TABLE 1	6
(C14A)	150	—	AIR VALVE: FLANGED DOUBLE ACTING AIR VALVE WITH ANTI SHOCK ORIFICE MECHANISM. CLASSIFICATION: TABLE 1	2
(C15)	150 25	SS GRADE 316L	BLANK FLANGE: DN 150 mm BLANK FLANGE WITH DN 25 mm THREADED SOCKET IN MIDDLE OF FLANGE. CLASSIFICATION: TABLE 1	4
(C16)	25	SS GRADE 316L	BALL VALVE: DN 25 mm THREADED BALL VALVE TO FIT 25 mm SOCKET.	4


**NOTE:**

TABLE 1, TABLE 2 AND TABLE 3  
ARE ON DRAWING 2H-C5-034.

1	KEYPLAN	2H-C5-030	XXXXXXXXXX
2	GENERAL LAYOUT	2H-C5-031	XXXXXXXXXX
3	PLAN AND SECTION	2H-C5-032	XXXXXXXXXX
4	PLAN AND SECTION	2H-C5-033	XXXXXXXXXX
5	PIPE SPECIALS	2H-C5-034	XXXXXXXXXX
7	ROOF SLAB LAYOUT AND DETAILS	2H-C5-036	XXXXXXXXXX
SHEET	DESCRIPTION	OTHER No.	REG. No.
LIST OF DRAWINGS			

CONSULTING ENGINEER	
	WOODMEAD NORTH OFFICE PARK 54 MAXWELL DRIVE WOODMEAD
IMPLEMENTING AGENT	
	A new word for water

REVISION				
MOD No.	DATE	DESCRIPTION	FOR	DWS
T1	08/21	ISSUED FOR TENDER	CvE	
<div>TENDER DRAWING</div>				

DEPARTMENT OF WATER AND SANITATION REPUBLIC OF SOUTH AFRICA			
HEAD OFFICE ENGINEERING SERVICES PRIVATE BAG X313 PRETORIA 0001		SEDIBENG BUILDING 185 FRANCIS BAARD STREET PRETORIA (012) 336-7500	
P. DU PLESSIS Pr. Eng: 810012 CHECKED:	25/08/2021 DATE:	DESIGN: C. VAN ECK DRAWN: A. STEENBERG	
C. VAN ECK Pr. Eng: 20110038 ENGINEER	25/08/2021 DATE:	EXTERNAL APPROVAL:	
P. VAN HEERDEN Pr. Eng: 920029	25/08/2021 DATE:	DIRECTOR (Pr. Eng):	

MOKOLO CROCODILE WATER AUGMENTATION PROJECT PHASE 2 (MCWAP-2)									
GRAVITY MAIN MATIMBA & GROOTEGLUK OFF-TAKES PIPE SPECIALS									
PROVINCE: LIMPOPO	DISTRICT: THABAZIMBI/LEPHALALE	KEYCODES:					OTHER NUMBER: 2H-C5-035	REV.	
LOCALITY No.: XXXXXX	TENDER/ CONTRACT No.: XXXXXXXXXXXX	SHEET	6 of 7	REG. No.					T1
CALCULATION FILE:	XXXXXXXXXXXXXXXXXXXX								