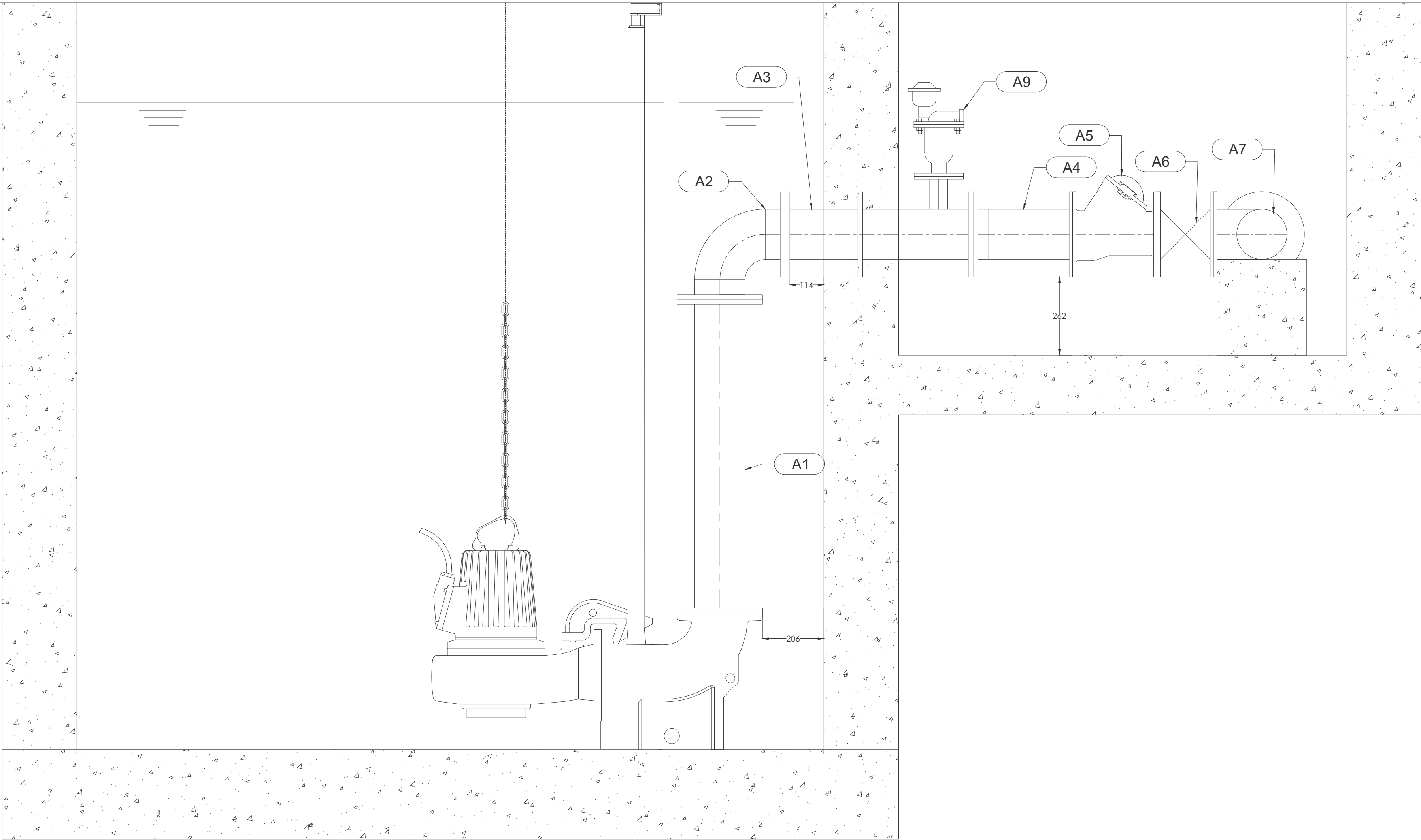


PLAN VIEW RAS PIPEWORK
SCALE 1:15



SECTION A-A
SCALE 1:10

RAS PIPE SCHEDULE				
ITEM NR	DESCRIPTION	STD	SCHEMATIC	QTY
A1	DN150, 304 STAINLESS STEEL SCHEDULE 10S PIPE BOTH ENDS PLATE FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL ASME WELDED CONSTRUCTION PICKLED AND PASSIVATED FINISH FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	ASTM A240 304 ASME B36.19 SANS 1123 ASTM A380-04		2
A2	DN150, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 90° LONG RADIUS ELBOW EXTRA DN150 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED BOTH ENDS PLATE FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL ASME WELDED CONSTRUCTION PICKLED AND PASSIVATED FINISH FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	ASTM A240 304 ASME B36.19 ASME B16.9 SANS 1123 ASTM A380-04		2
A3	DN150, 304 STAINLESS STEEL SCHEDULE 10S PIPE BRANCH: 1X DN50, 304 STAINLESS STEEL SCHEDULE 10S PIPE, PLATE FLANGED,NP 1000 kPa, 50 -1000/3, 304 STAINLESS STEEL BOTH ENDS PLATE FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL 304 STAINLESS STEEL PUDDLE FLANGE FOR DN150 PIPE AS INDICATED ASME WELDED CONSTRUCTION PICKLED AND PASSIVATED FINISH FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	ASTM A240 304 ASME B36.19 SANS 1123 SANS 1123 ASTM A380-04		2
A4	DN150, 304 STAINLESS STEEL SCHEDULE 10S PIPE WITH 45° ELBOW EXTRA DN150 304 STAINLESS STEEL, SCHEDULE 10 PIPE WITH DIMENSION AS INDICATED BOTH ENDS PLATE FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL ASME WELDED CONSTRUCTION PICKLED AND PASSIVATED FINISH FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	ASTM A240 304 ASME B36.19 ASME B16.9 SANS 1123 ASTM A380-04		2
A5	DN150, PN10, DUCTILE IRON BALL CHECK VALVE, FLANGE DRILLED TO SANS 1123/ EN 1092 EPOXY COATED FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS. INCLUDE BOLT SLEEVE AND WASHER KIT TO PREVENT GALVANIC REACTION.	EN 12050-4 SANS 1123/ EN 1092 SANS 664		2
A6	DN150, PN16, DUCTILE IRON GATE VALVE WITH HAND WHEEL, FLANGE DRILLED TO SANS 1123/ EN 1092 EPOXY COATED FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS. INCLUDE BOLT SLEEVE AND WASHER KIT TO PREVENT GALVANIC REACTION.	SANS 664 SANS 1123/ EN 1092		2
A7	DN150, 304 STAINLESS STEEL SCHEDULE 10S PIPE BOTH ENDS PLATE FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL BRANCH: 2 X DN150 45° BRANCH MADE WITH 304 STAINLESS STEEL SCHEDULE 10 PIPE BRANCH ENDS PLATE FLANGED, NP 1000 kPa, 150-1000/3 304 STAINLESS STEEL PUDDLE FLANGE FOR DN150 PIPE AS INDICATED ASME WELDED CONSTRUCTION PICKLED AND PASSIVATED FINISH FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	ASTM A240 304 ASME B36.19 SANS1123 ASTM A240 304 ASME B36.19 SANS 1123 ASTM A380-04		1
A8	DN150 BLANK FLANGED, NP 1000 kPa, 150 -1000/3, 304 STAINLESS STEEL FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS.	SANS 1123		1
A9	DN50 COMBINATION AIR RELEASE VALVE, DUCTILE IRON, FLANGE DRILLED TO SANS1123/EN1092 FLANGE CONNECTION TO BE PROVIDED WITH SUITABLE STAINLESS STEEL BOLTS, NUTS, WASHERS AND GASKETS. INCLUDE BOLT SLEEVE AND WASHER KIT TO PREVENT GALVANIC REACTION.	EN1074 SANS 1123/ EN 1092		2

NOTES:

LOCAL MUNICIPALITY: MAP

SPONSOR & REGULATOR: DWS

ISSUED FOR TENDER

0

50

100 MILLIMETRES ON ORIGINAL DRAWING

A

BEFORE CONTRACT COMMENCES

A

AFTER CONSTRUCTION CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS

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V3 CONSULTING ENGINEERS

T: +27 51 045 1950
Suite 31, Nobel House, 196 Nelson Mandela Road, Brandwag, Bloemfontein, 9301



PROJECT
TSHIAME WWTW REFURBISHMENT

DRAWING DESCRIPTION
RAS PIPEWORK

DRAWING NO.
10909001-6010

REVISION
T1



ISSUED FOR TENDER

DESIGNED:	AK	CHECKED:	AK
DRAWN:	AK	SCALE:	AS SHOWN
APPROVED:	AK	INCEPTION DATE:	SEPT'24
FILE PATH:	SHAREPOINT / BLOEMFONTEIN - 10909001 TSHIAME WWTW / 04 DOC PROC / 04 DRAW		