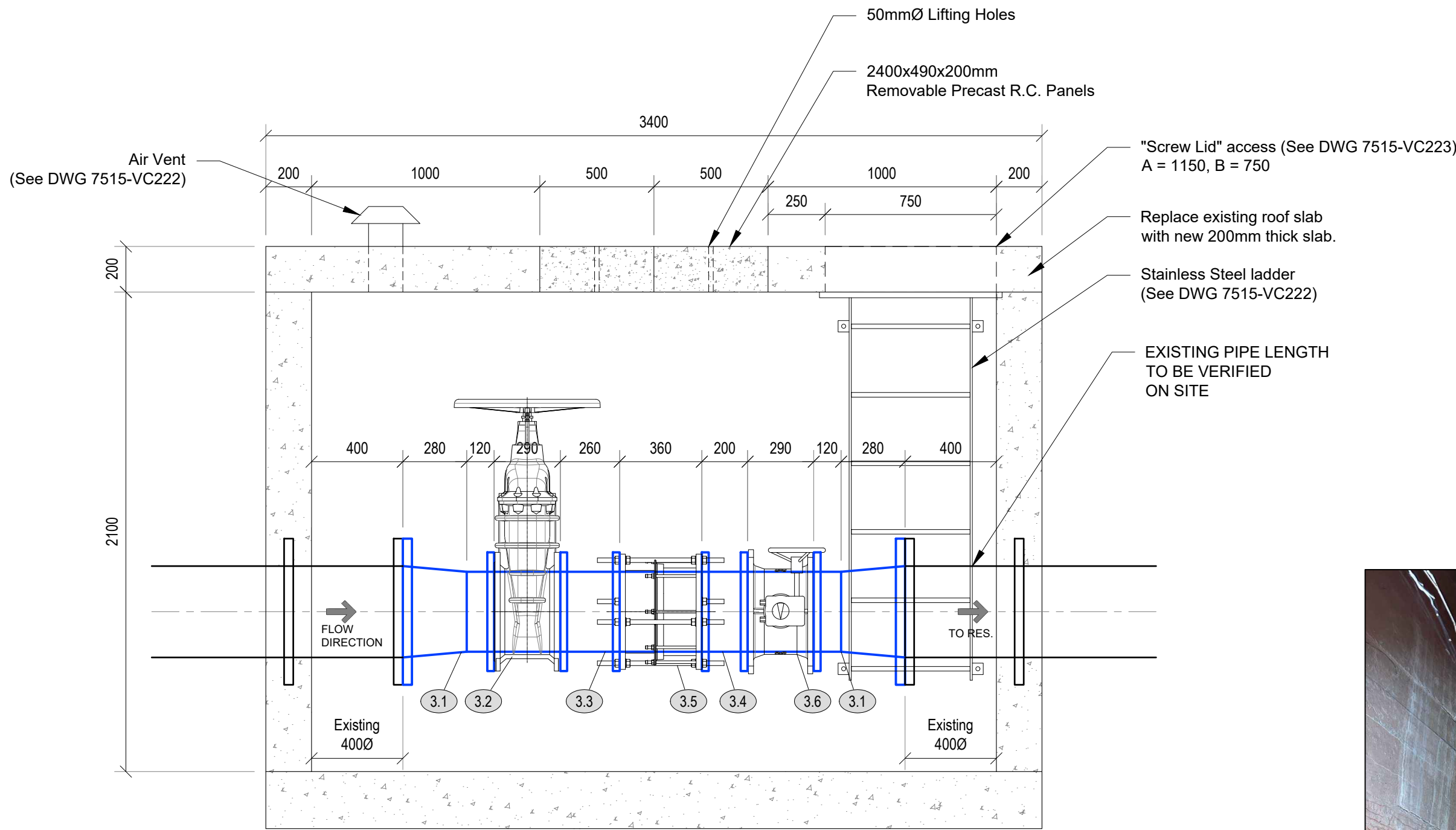
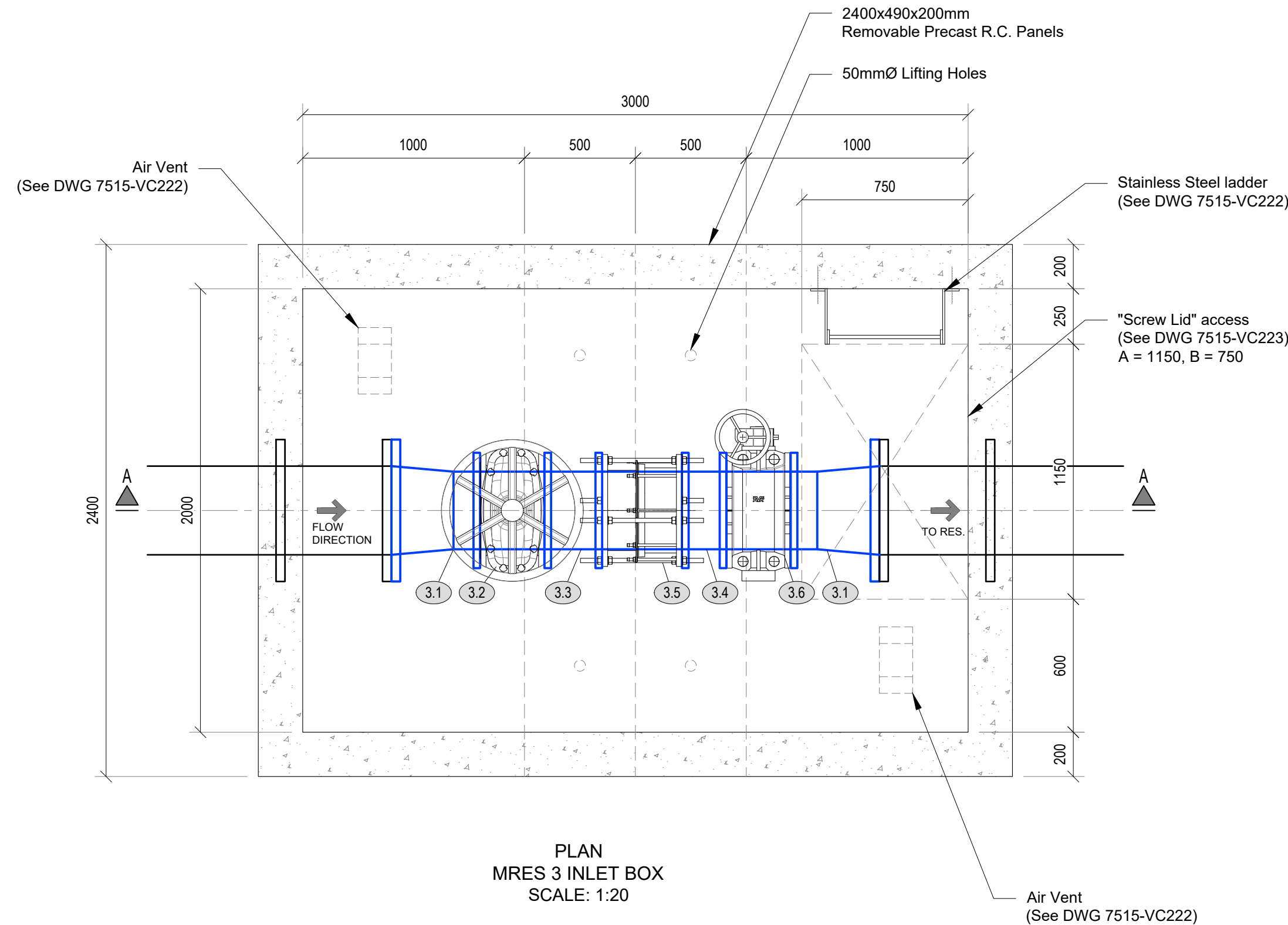




SECTION A-A
MRES 3 INLET BOX
SCALE: 1:20



PLAN
MRES 3 INLET BOX
SCALE: 1:20

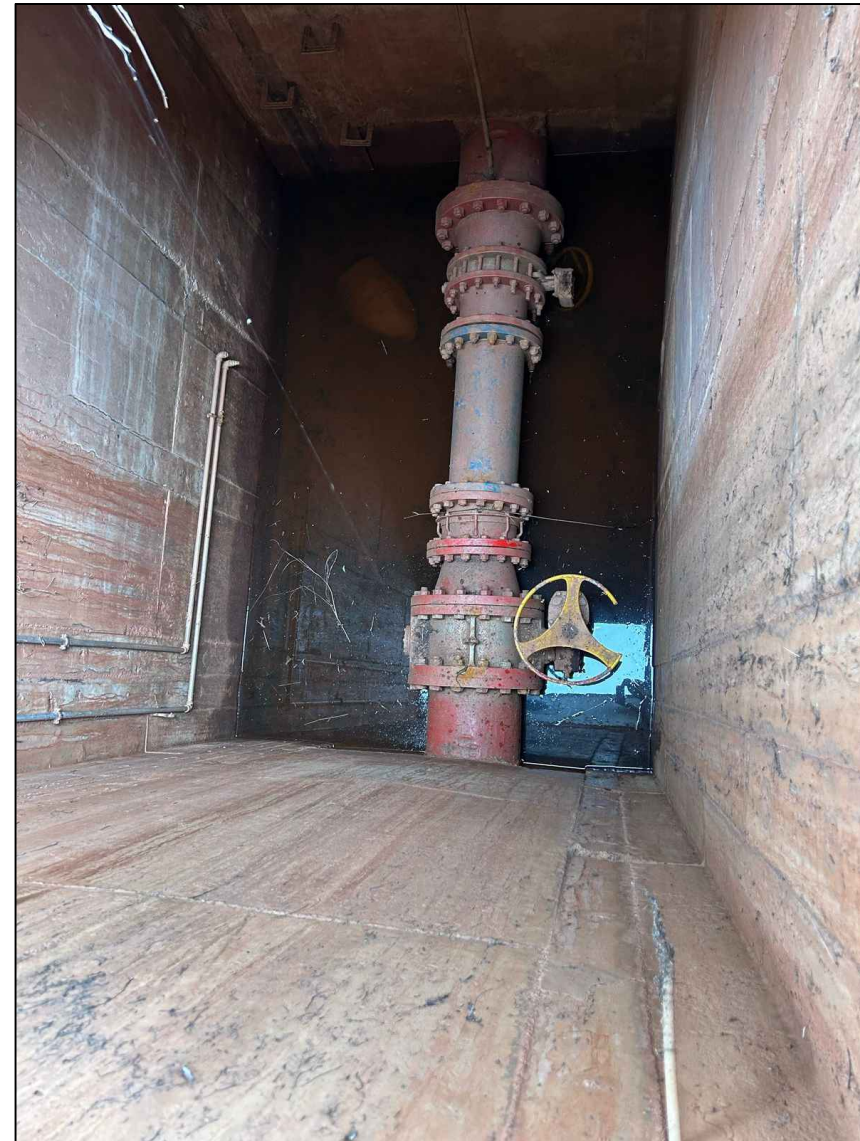


PHOTO
MRES 3 INLET BOX
SCALE: NTS

FITTING DETAILS			
ITEM NO.	DESCRIPTION	NO. OFF	DIMENSIONS
3.1	400Øx350Ø REDUCER WELDED TO 120mm 350mmØ PIPE 400mmØ SIDE FLANGE = PN16, 350mmØ SIDE FLANGE = PN16	2	
3.2	350mmØ AVK RSV FLANGED GATE VALVE WITH HANDWHEEL & POSITION INDICATOR, EN 558-2 S.14/DIN F4, PN16	1	
3.3	350mmØ FLANGED PIPE, BOTH ENDS FLANGED, PN16	1	
3.4	350mmØ FLANGED PIPE, BOTH ENDS FLANGED, PN16	1	
3.5	350mmØ AVK DISMANTLING JOINT, PN10	1	
3.6	350mmØ DOUBLE ECCENTRIC BUTTERFLY VALVE WITH GEARBOX, SERIES 13, PN16 (BACK UP VALVE)	1	

NOTES AND SPECIFICATIONS

GENERAL

- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
- ALL DIMENSIONS ARE IN MILLIMETERS. (UNLESS OTHERWISE SPECIFIED).
- DO NOT SCALE FROM THESE DRAWINGS.
- ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD COT DETAIL DRAWINGS.
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE).
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.
- THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY DIRECTOR OF THE WATER AND SANITATION DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
- THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF WATER AND SANITATION DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
- FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

LEGEND

WATER

- NEW HYDRANT
- PROPOSED / NEW PIPE
- NEW VALVE
- NEW VALVE ON EXISTING PIPE
- NEW HYDRANT ON EXISTING PIPE
- NEW END CAP
- NEW PRV
- NEW AIR VALVE
- NEW WATER METER
- EXISTING PIPE CAPPED
- EXISTING END CAP
- EXISTING NETWORK PIPE
- EXISTING BULK PIPELINE
- EXISTING HYDRANT
- EXISTING HYDRANT
- NODE NUMBER
- CLOSED VALVE
- EXISTING VALVE
- EXISTING COMMUNICATION PIPES
- EXISTING AIRVALVE
- EXISTING WATER METER
- EXISTING PRV
- EXISTING PUMP
- PIPE TO BE ABANDONED
- REDUNDANT PIPE
- EXISTING RES DISTRIBUTION ZONE
- PROPOSED RES DISTRIBUTION ZONE
- EXISTING RAND WATER PIPE
- SUBURBS BOUNDARY
- SASOL GAS LINE
- PETROMET PIPE
- NEW PIPE IN NEW SLEEVE
- SLEEVE Ø TYPE GLASS



CITY OF TSHWANE
UTILITY SERVICES
DEPARTMENT
WATER AND SANITATION

AMENDMENTS

NR	DATE	APPROVED	DESCRIPTION	PAR
1	15/10/2025	J. DUVENHAGE	ADDED NON-RETURN & 80mmØ BYPASS	JD
2	08/12/2025	J. DUVENHAGE	REMOVED NRV & BYPASS, CHANGED BUTTERFLY VALVE TO RSV, CORRECTED DISMANTLING JOINT DIM. ADDED SUMP	JD
3	27/05/2026	J. DUVENHAGE	CHANGED WAFER TYPE VALVE TO DOUBLE ECCENTRIC BUTTERFLY VALVE CHANGE STRAIGHT PIPE LENGTHS ACCORDINGLY	JD

WATER AND SANITATION

FOR INTERNAL APPROVAL - RECEIVED SIGN WHEN APPLICABLE

DIRECTOR: WATER AND SANITATION - PLANNING			
NAME	Prof. Reg. No.	SIGNATURE	DATE
REGIONAL DIRECTOR: (1,2,3,4,5,6 or 7)			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: SYSTEM DEVELOPMENT			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: BULK WATER			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: INFRASTRUCTURE PROVISION			
NAME	Prof. Reg. No.	SIGNATURE	DATE
DIRECTOR: WASTE WATER TREATMENT			
NAME	Prof. Reg. No.	SIGNATURE	DATE

CONSULTANT DETAIL



I, J. Duvenhage, Prof. Reg. No. 20170186
HEREBY CERTIFY THAT THE SERVICES WILL HAVE BEEN INSTALLED
ACCORDING TO NOTE 9 OF THE ABOVE NOTES AND TO THE
DRAWING.
SIGNATURE: DATE: 27/05/2026
CONSULTANT DRAWING NUMBER:
J1-204_MRES_I-3_01

DESIGNED

NAME: J. Duvenhage, Prof. Reg. No. 20170186
SIGNATURE: DATE: 27/05/2026

DRAWN

NAME: H.J. Stadler

CHECKED

NAME: J. Duvenhage, Prof. Reg. No. 20170186
SIGNATURE: DATE: 27/05/2026

INFORMATION OFFICE CHECKED

NAME: Pr Eng. Prof. Reg. No.:
SIGNATURE: DATE:

DESIGN OFFICE APPROVAL

NAME: Prof. Reg. No.:
SIGNATURE: DATE:

CONTRACT

No. COT BW 01-2021/22

PROJECT No.

J1-204

SHEET No.

1

PAPER SIZE:

A1

SCALE:

AS SHOWN

DATE:

DEC. 2025

PROJECT STATUS

RECEIVED SIGN WHEN APPLICABLE

CONCEPT DRAWING TENDER DRAWING APPROVED CONSTRUCTION DRAWING AS BUILT

PROJECT ENGINEER OF COT:

NAME: Pr Eng. Prof. Reg. No.:

SIGNATURE: DATE:

INSPECTOR OF WORKS of COT:

NAME: Prof. Reg. No.:

SIGNATURE: DATE:

LOCATION OF PROJECT:

MAGALIES RESERVOIR

DESCRIPTION OF PROJECT:

RESERVOIR 3 INLET BOX
DETAILS

WBS No. :

COT DRAWING NUMBER:



REVISION