NOTES / LEGEND

LEGEND

- EXISTING WATER PIPES
- EXISTING SEWER PIPES
- EXISTING FIBRE CABLES
- PROPOSED BULK PIPELINE
- NEW BALANCING RESERVOIR (BY OTHERS)
- HORIZONTAL BEND
- VERTICAL BEND
- HORIZONTAL & VERTICAL BEND
- DEMAND TAKE-OFF
- AIR VALVE
- SCOUR VALVE
- PRESSURE REDUCING VALVE

GENERAL

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MATERIALS AND WORKMANSHIP CONFORM WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THIS DRAWING, AND ALL RELEVANT SABS SPECIFICATIONS, IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT.
- ALL MATERIAL TYPE, POSITIONS, DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ENGINEER'S DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- NO SCALING WITH SCALE RULER FROM THE DRAWING IS PERMITTED. THE CONTRACTOR MUST ENSURE THAT HE GETS THE CORRECT DIMENSIONS FROM THE ENGINEER BEFORE CONSTRUCTION COMMENCES.

ISSUE DATE:	DRAWING SIZE:	REVISION:
04/06/2026	A0	C

	PRELIMINARY
X	INFO ONLY
	FOR TENDER
	FOR CONSTRUCTION
	AS-BUILT

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A,B,C.../ : BEFORE TENDER
T0 / : TENDER DRAWING
0,1,2.../ : AFTER TENDER
Z / : AS BUILT

/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
/D : BY BVI
/E : BY OTHER ( )

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DATE:	INITIAL:	NO.:	DESCRIPTION OF REVISION:

OFFICES

PROVINCE	OFFICE		E-MAIL
Free State	Central	(051) 447-2137	bfs@bvi.co.za

Visit or contact us online at www.bvigroup.co.za

CONSULTING ENGINEERS CENTRAL
Civil, Structural & Electrical Engineers. Environmental & Project Management
Registration no. 1998/03802/21
BBBEE LEVEL 1
CESA

CLIENT

MANGAUNG
AT THE HEART OF IT ALL

PROJECT

MANGAUNG METRO MUNICIPALITY: NORTHERN BULK DISTRIBUTION PIPELINE

DRAWING TITLE

BULK WATER PIPE LAYOUT: BALANCING RESERVOIR TO NORTH

APPROVED BY BVI

W SMIT | REG NO. | 04/06/2026
ENGINEER/TECHNOLOGIST | REG. NO. | DATE

SCALE	1:5000	DRAWN	S ZIBAYA
DESIGNED	D COETZEE	CHECKED	W SMIT

PLAN NUMBER	REVISION NO.
35253-140-000	C

N:\Bloemfontein\Projects\35338-39999 DELTEK\35253 Northern Bulk Supply Pipeline(MMM)\TECHNICAL\CIVIL\3D\1 Data\Civil 3D Models\Northern Bulk Distribution Pipeline - PDR.dwg