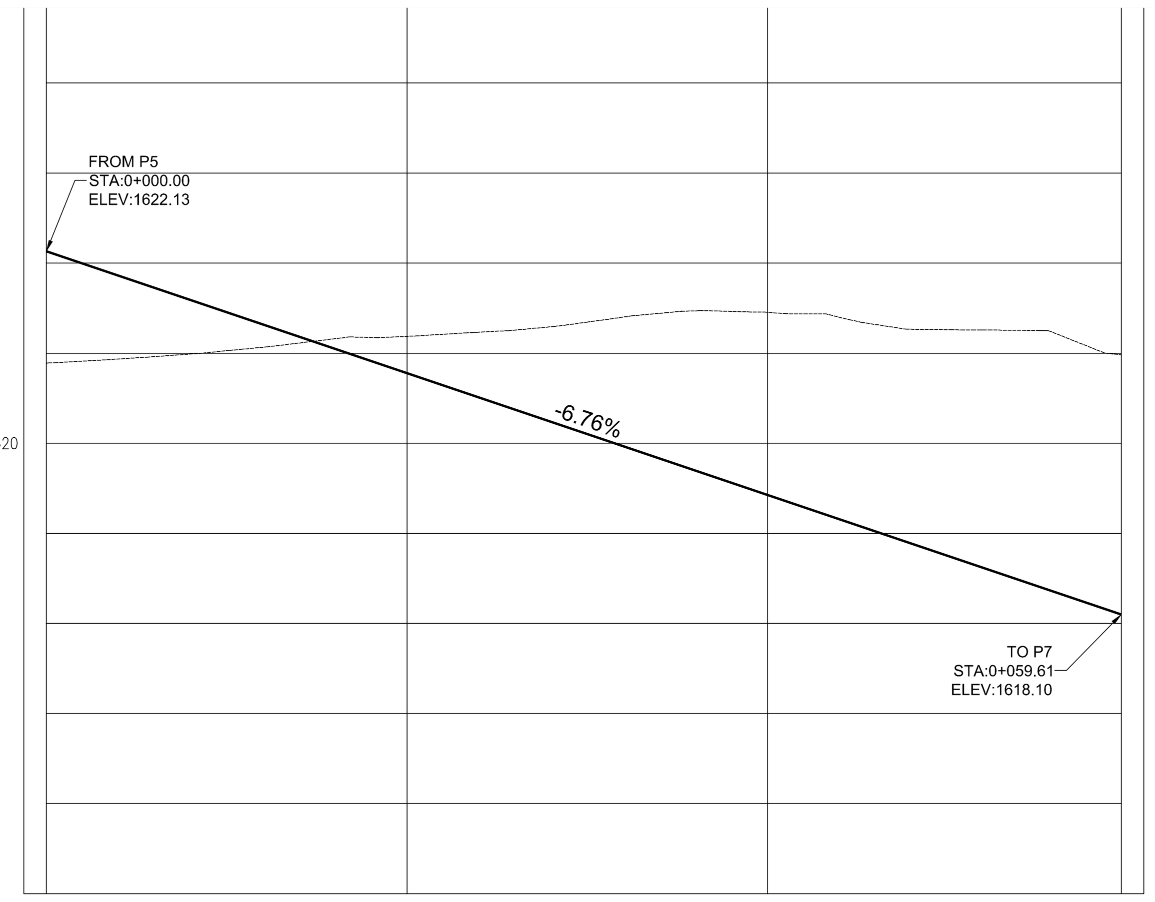
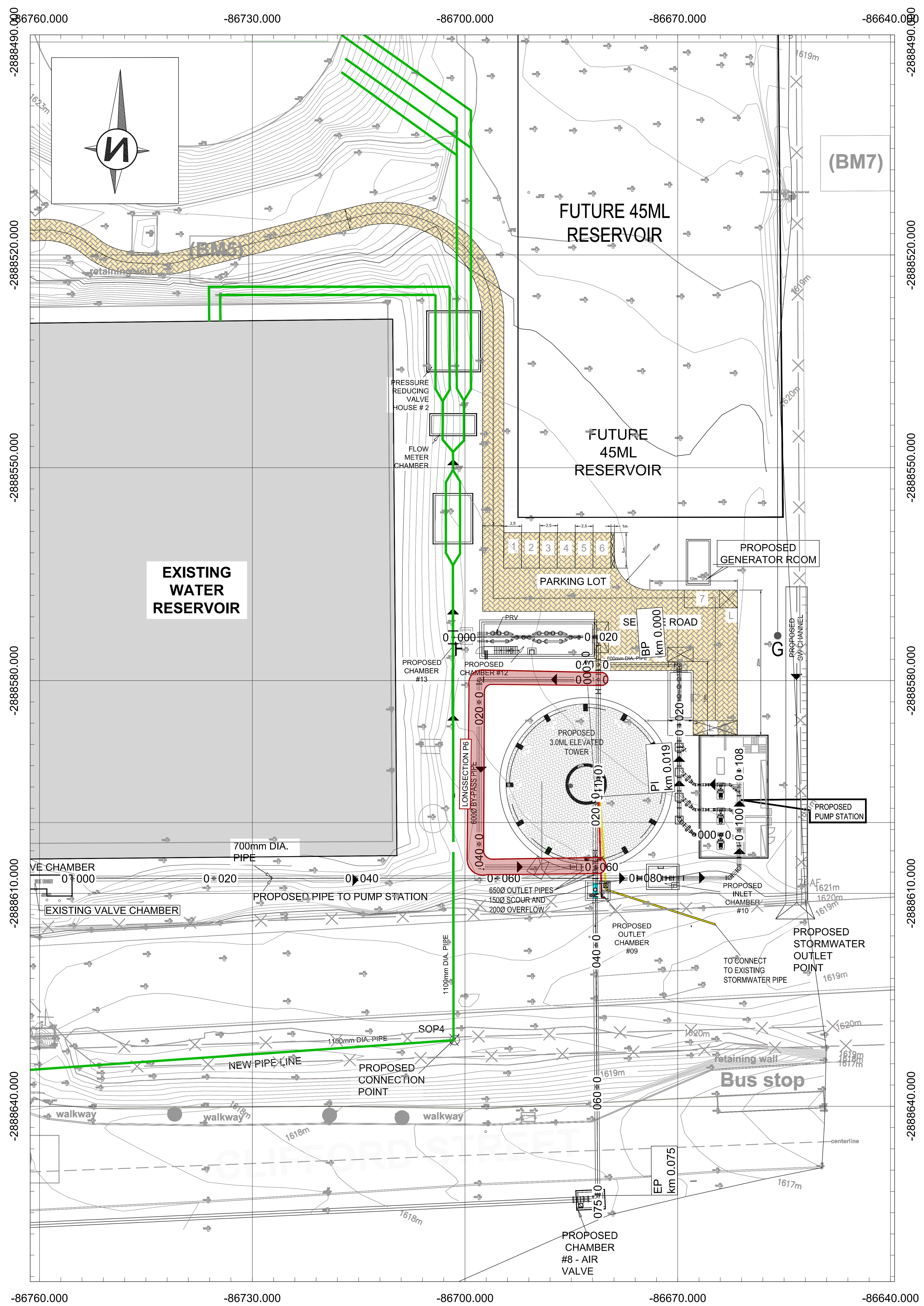


SCALES:
Horizontal 1:250
Vertical 1:50

DATUM 1615.000

HYDRAULIC GRADE (m) PEAK FLOW	1651.23		1651.20	1651.18		1651.15
AVERAGE FLOW	1654.04		1654.03	1654.02		1654.01
CHAINAGE	0		20	40		60
GROUND LEVEL (m amsl)	1622.130		1620.778	1619.426		1618.100
INVERT LEVEL (m)	1622.130		1620.778	1619.426		1618.100
TRENCH DEPTH (m)	1.240	-0.187	-0.409	-2.028	-2.228	-2.882
PEAK FLOW CONDITIONS HEAD (m)	41.63		41.58	41.51		41.47
STEADY-STATE HEAD (m)	43.96		43.93	43.91		43.90
AVERAGE FLOW (l/s)	200					
PEAK FLOW (l/s)	393					
PIPE DETAILS	600mm DIA. STEEL PIPE					
GRADIENT (m/km)	90° 00' 00"	0° 00' 00"			270° 00' 00"	
VELOCITY (AVERAGE FLOW)	0.532					
VELOCITY (PEAK FLOW)	1.044					

LONGSECTION P6B -
TOWER BYPASS PIPELINE (SUPPLY FROM 1100mm DIA.PIPE LINE)
FROM 0.000 TO 59.613



KEY PLAN - TOWER BYPASS PIPELINE (SUPPLY FROM 1100MM DIA.PIPE LINE)
SCALE 1: 250

ISSUED FOR TENDER

Engineer:
KEON CONSULTING ENGINEERS
TECHNO DESIGNS
Civil Structural & Transport Engineers

TECHNO DESIGNS ENGINEERING
34 Dane Street PS09en Austin Midrand
TELEPHONE (011) 045 2532
CELL (072) 301 8811
EMAIL engineer@technodesigns.co.za
OFFICES JOHANNESBURG
WEBSITE www.technodesigns.co.za

KEON CONSULTING ENGINEERS
5th Avenue Office Park, 64b 5th avenue Newton
Port Elizabeth
TELEPHONE +27 413630189
WEBSITE www.keon.co.za

Client:
JOHANNESBURG WATER
Turbine Hall,
65 Ntemi Piliso Street,
Newtown, Johannesburg

THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION IN THE BILL OF QUANTITIES (BOQ). IN THOSE CASES WHERE THE BOQ SPECIFICATIONS DIFFER FROM THESE NOTES, THESE NOTES SHALL TAKE PREFERENCE

ON ORIGINAL
0 5 10 15 20 25 30 40 50MM

Engineer:
T. CHONGO Pr Eng (201400010)

Drawn By:	Designed By:	Checked By:
T. POOPEDI	T. CHONGO	T. CHONGO
Signture:	Signture:	Signture:
Date: AUGUST 2023	Date: AUGUST 2023	Date: AUGUST 2023

GENERAL NOTES:

ALL LEVELS TO BE CONFIRMED ON SITE.
1.1 THIS DRAWING MUST BE READ IN CONJUNCTION WITH RELEVANT ENGINEERING DRAWINGS.
1.2 DO NOT STALE THIS DRAWING, USE ONLY CALCULATED AND WRITTEN DIMENSIONS.
1.3 ALL EXCAVATIONS SHOULD BE INSPECTED AND APPROVED BY THE ENGINEER ON SITE.
1.4 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

Refer To Drawing No:

Key Plan:

No	Date	Details	Chd	Appd

Revisions

Project: JW14406 LINBRO PUMP STATION

Description: LONGSECTION P6B - TOWER BYPASS PIPELINE (SUPPLY FROM 1100MM DIA.PIPE LINE) FROM 0.000 TO 59.613

Issued For: TENDER

Size:	Scale:	Sheet No:	Original Date:
A1	As Shown	5 OF 6	AUGUST 2023

Project No:	Drawing No:	Revision:
C01486	PS09	T0