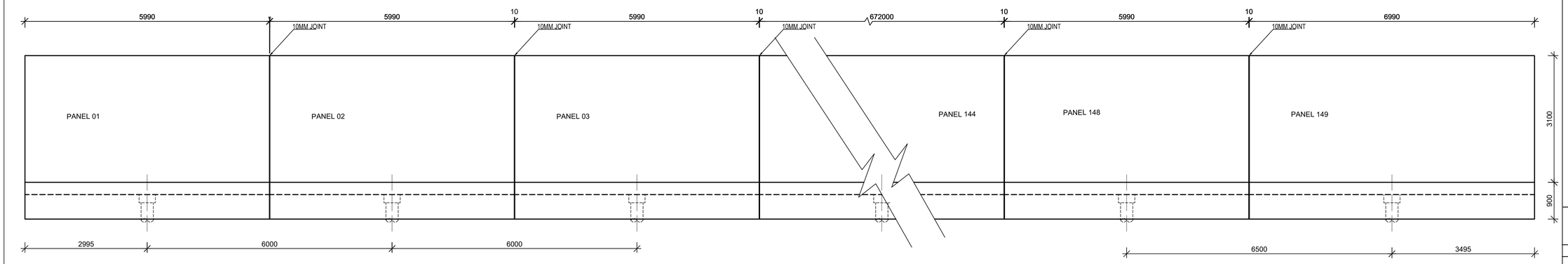


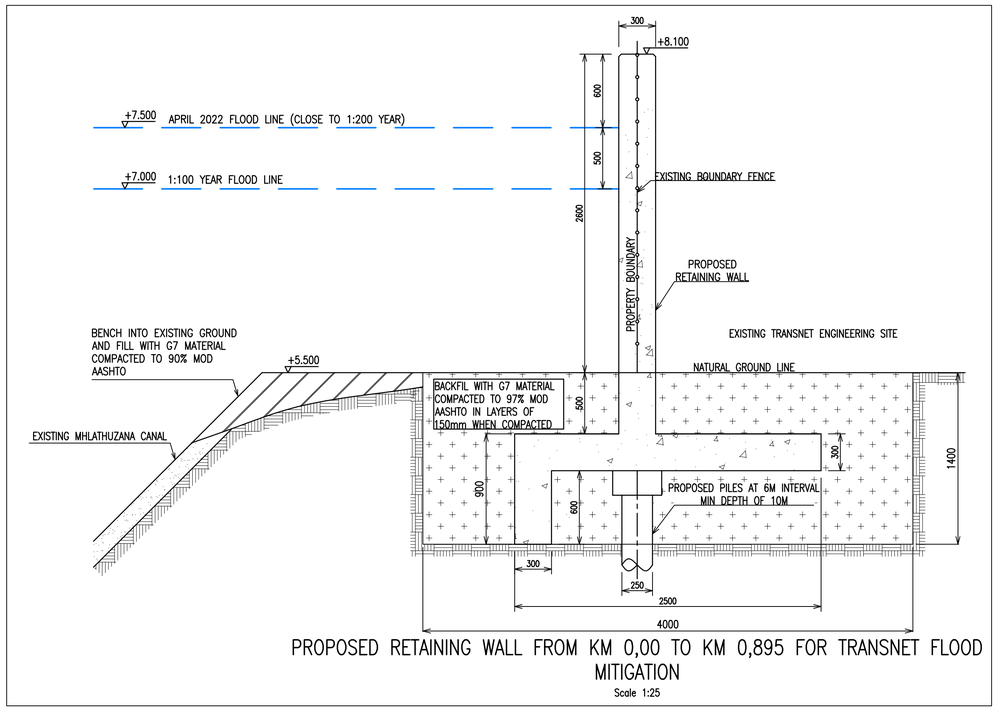
RETAINING WALL GENERAL ARRANGEMENTS PLAN

SCALE 1:50



FRONT ELEVATION ON RETAINING WALL

SCALE 1:50



PROPOSED RETAINING WALL FROM KM 0,00 TO KM 0,895 FOR TRANSNET FLOOD MITIGATION

Scale 1:25

NOTES

1. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS.
3. ALL CONCRETE WORK TO COMPLY WITH SABS 1200G.
4. CONCRETE CLASS :-
   a) PILECAPS & GROUND BEAMS = 30 MPa
   b) STRIP FOOTINGS & BASES = 30 MPa
   c) COLUMNS, SHEAR & LIFT WALLS = 30 MPa
   d) SLABS, BEAMS & STAIRCASES = 30 MPa
   e) RETAINING WALLS = 30 MPa
   f) SURFACE BEDS = 30 MPa
   g) BLINDING = 10 MPa
5. COVER TO REINFORCEMENT :-
   a) PILECAPS & GROUND BEAMS = 50 mm
   b) STRIP FOOTINGS & BASES = 50 mm
   c) COLUMNS - below ground = 50 mm
   d) COLUMNS - above ground = 30 mm
   e) SHEAR & LIFT WALLS - below grd. = 50 mm
   f) SHEAR & LIFT WALLS - above grd. = 30 mm
   g) SLABS, BEAMS & STAIRCASES = 30 mm
   h) SLABS - on the ground - Bot. = 50 mm
   i) SLABS - on the ground - Top = 30 mm
   j) RETAINING WALLS - earth face = 50 mm
   k) RETAINING WALLS - front face = 30 mm
6. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
7. ALL REINFORCING FIXING TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
8. SIX CUBES TO BE TAKEN PER POUR. THREE TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS. THE RESULTS TO BE FORWARDED TO THE ENGINEER.
9. CONTRACTOR TO CONSTRUCT A BLINDING LAYER IF SOIL CONDITIONS RESULT IN REINFORCEMENT COVER NOT BEING MAINTAINED.
10. ALL STRUCTURAL CONCRETE TO BE CURED FOR A MINIMUM OF FIVE DAYS.
11. BRICKWORK SHOWN HATCHED ARE LOAD BEARING. ALL LOAD BEARING BRICKWORK TO BE 14MPa NFX. TOP OF ALL BRICKWORK TO RECEIVE 2 LAYERS OF 3 PLY MALTHOID ON SMOOTH RENDERED SURFACE.
12. ALL SINGLE SKIN BRICKWORK TO BE STOPPED 2 COURSES BELOW SOFFIT OF SLAB AND COMPLETED AFTER PROPS HAVE BEEN REMOVED.
13. ALL CONCRETE PLASTER AND BRICKWORK PLASTER INTER-FACES TO RECEIVE V-JOINT
14. THE ENGINEER REQUIRES 24HRS NOTICE FOR ALL INSPECTIONS.

Rev.	Amendment	App.	Date
B	NOTES ADDED	XD	2026.09.02
A	ISSUED FOR INFORMATION	VG	2024.02.12

Approval		
	Approved by	F KAMBA
	Date	2026.09.02
	Prof Reg No.	20120315
	Signature	

Client

TRANSNET ENGINEERING
311 Solomon Mahlangu Drive
Rossburgh
Durban
4001

Consultant

Zelda Consulting Engineers
405 Jabu Ndlovu Street
Pietermaritzburg
3201
Email: info@zeldagroup.co.za
TEL: 033 332 0902
FAX: 086 471 3609

Project

FLOOD MITIGATION STRUCTURE AT TRANSNET ENGINEERING DURBAN MAIN CENTRE

Description

FLOOD MITIGATION WALL LAYOUT, ELEVATION AND SECTION

Owner:		Designed by	FK/VG
		Drawn by	VG
Date :		Checked by	FK
Scale	AS SHOWN	Drawing No.	TE-RET-001-300
Date	SEP. 2026	Rev.	B