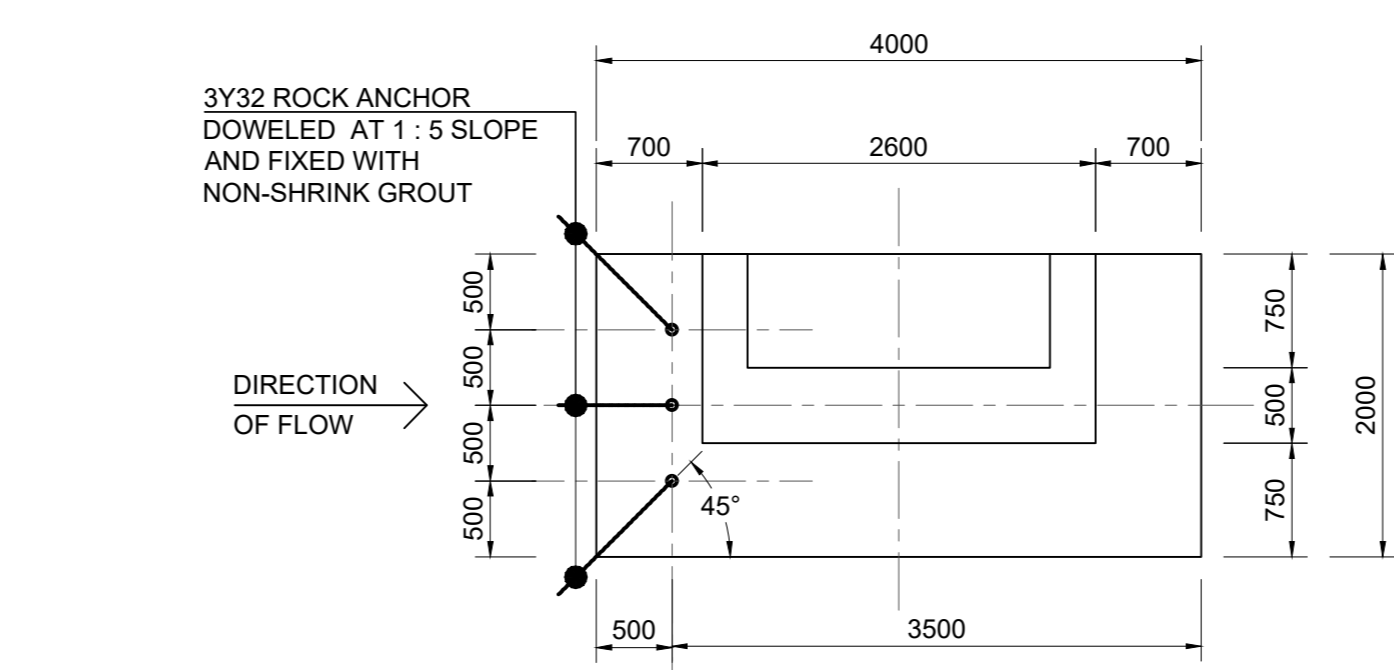
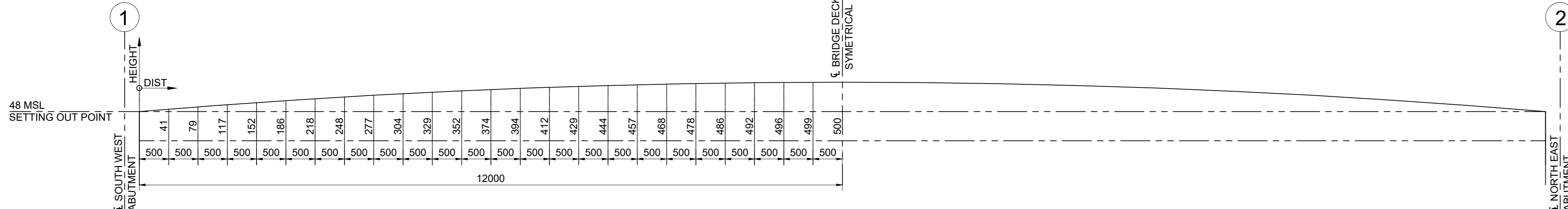
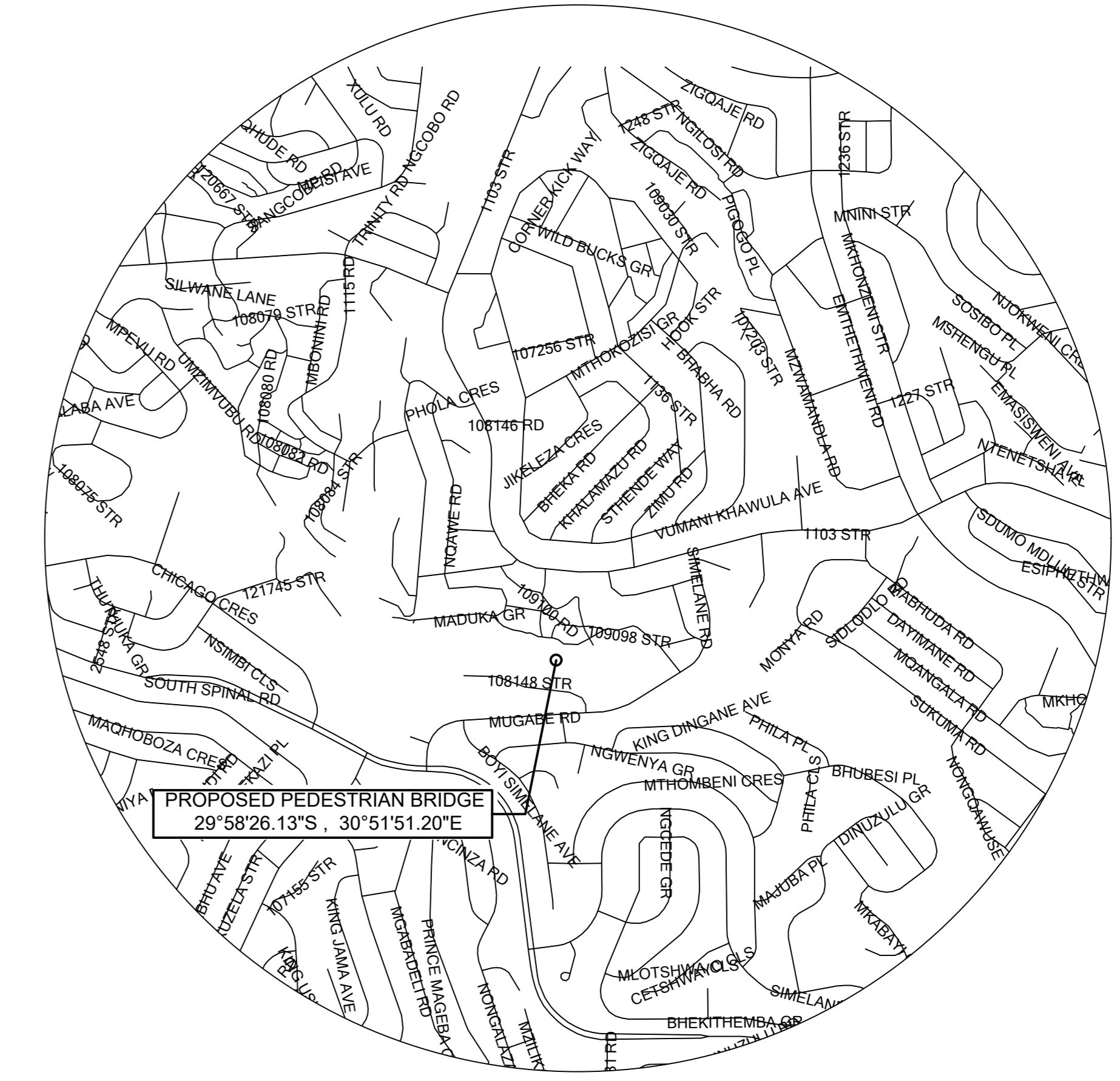
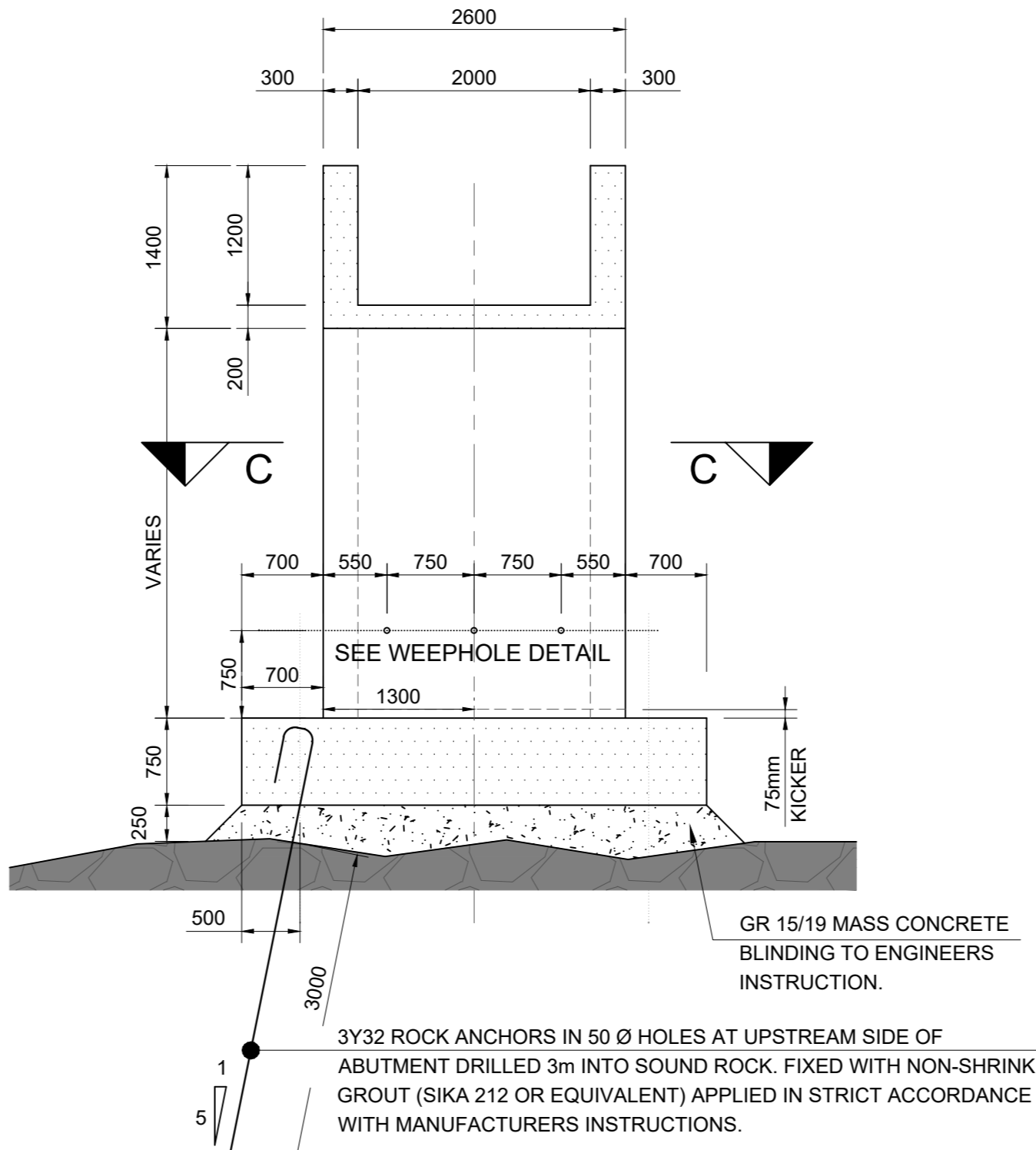
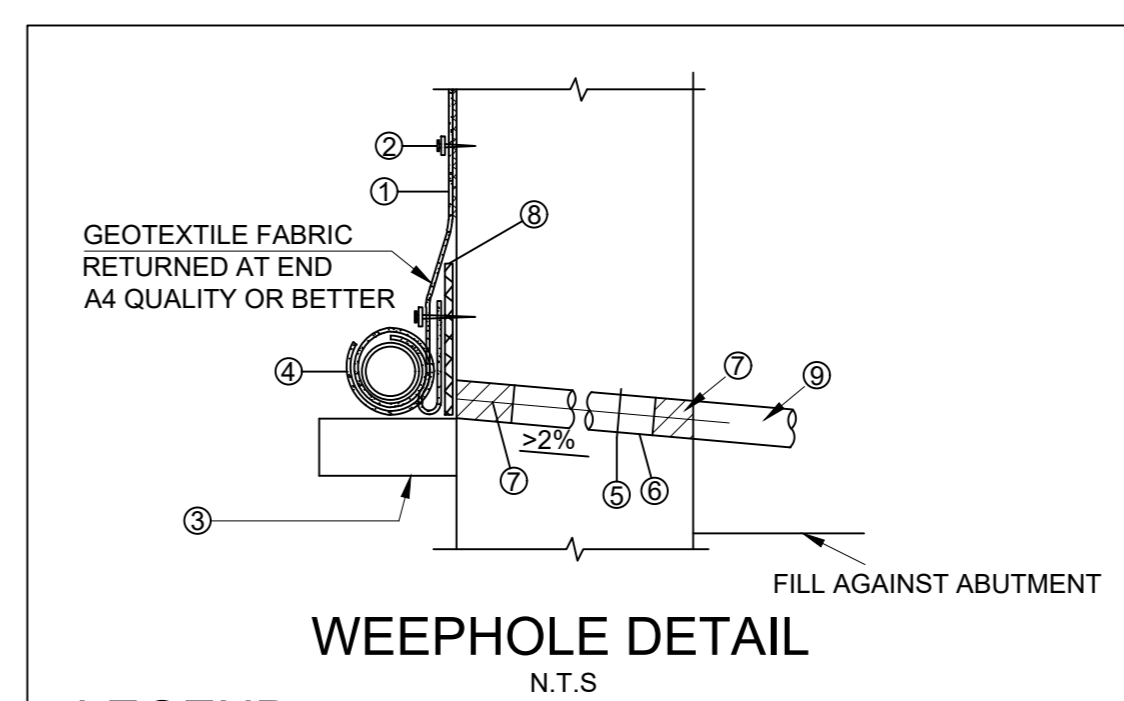
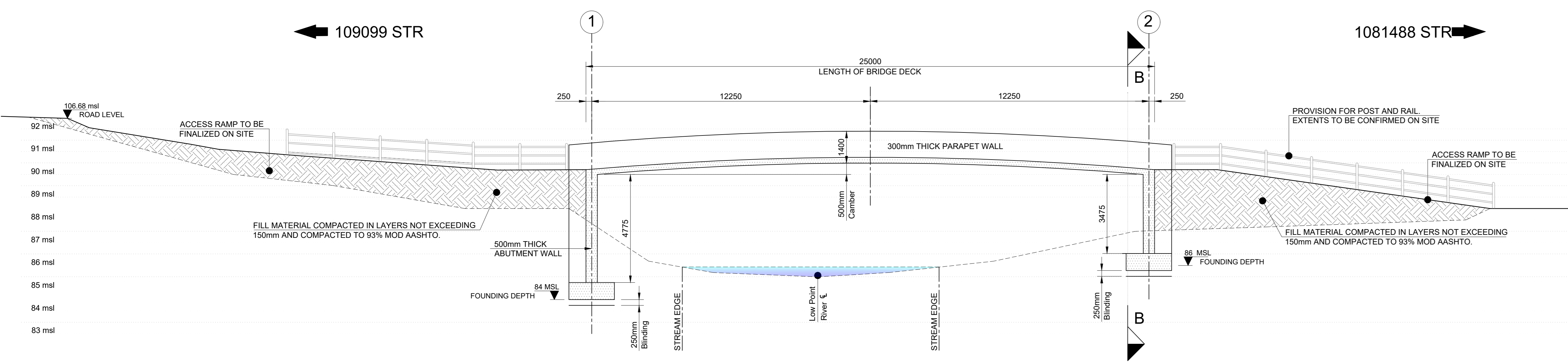
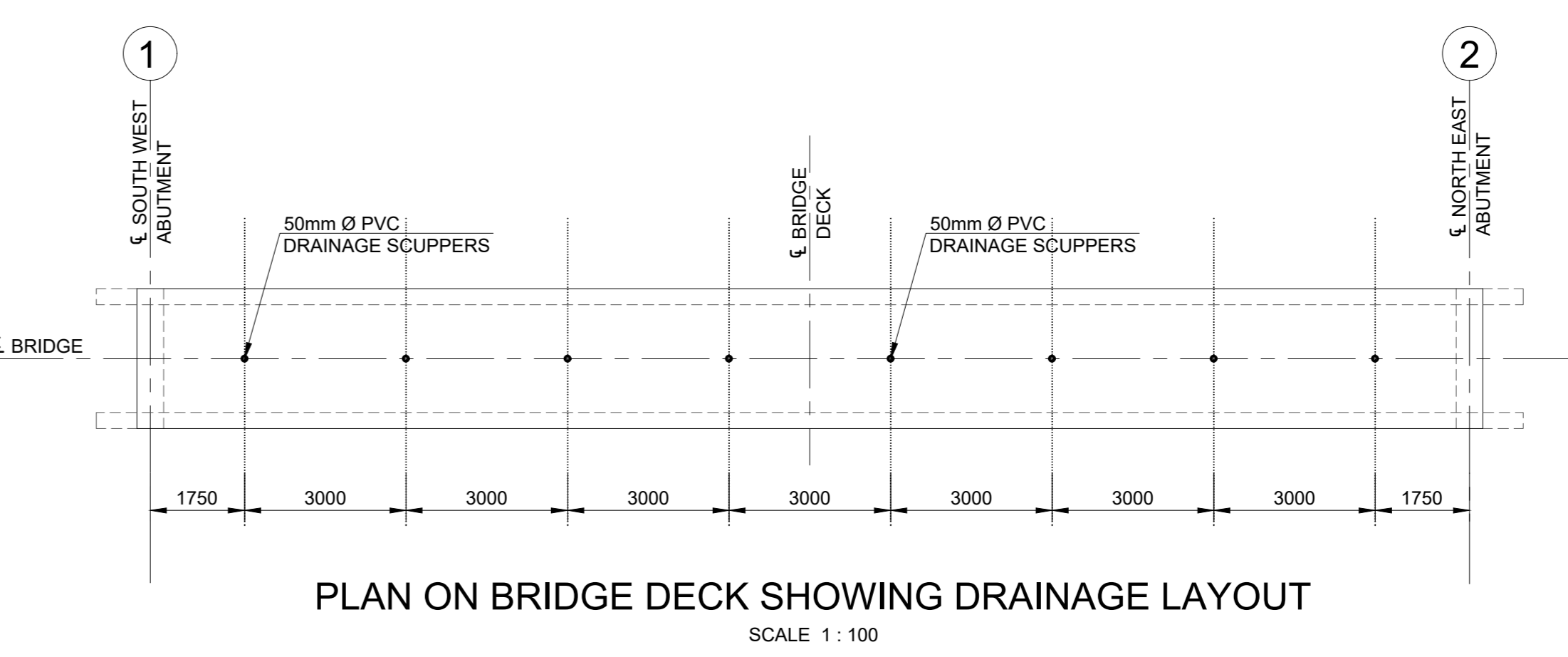
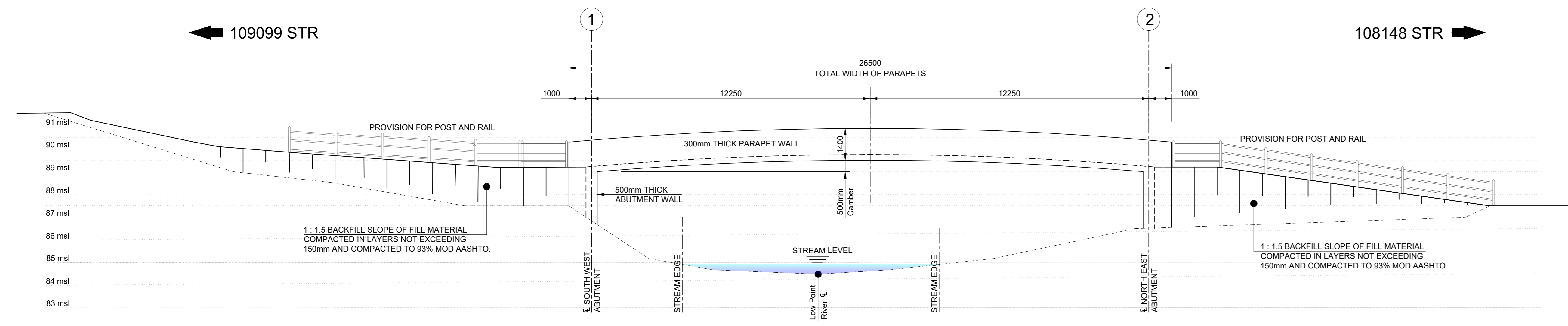


BRIDGE CENTERLINE SETTING OUT CO-ORDINATES			
Point & Str. Element	Y Co-ordinate	X Co-ordinate	
CL - 1	-13106.301	3317216.009	
CL - 2	-13110.657	3317240.126	

**NOTE :**  
 ALL CENTERLINE CO-ORDINATES TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.



ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.  
 ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.  
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELATED STRUCTURAL DRAWINGS.



- LEGEND**
- 200mm wide filter elements secured to back face of structure at 45° slope.
  - Concrete nails with 25 x 25mm hoop iron washers to secure filter elements to structure at ± 1000mm centres.
  - Concrete screed to grade and level of drainage pipes prior to placing of drainage pipes.
  - 65mm dia perforated drainage pipes wrapped in geotextile. The geotextile shall have an overlap of not less than 150mm and be tied at centres not greater than 200mm.
  - 3.15mm dia stainless steel wire barrier.
  - 50mm dia uPVC weepholes at centres shown. The contractor shall ensure that the weepholes are clear and approved by the engineer before the filter elements are installed.
  - Temporary polystyrene plug to prevent ingress of grout during placing of the concrete.
  - 200mm wide filter element secured to back face of structure at same grade as weepholes.
  - Extension of weepholes to embankment.

- NOTES:**
- GENERAL BRIDGE NOTES**
    - DESCRIPTION - THE BRIDGE IS A SINGLE SPAN CONVENTIONALLY REINFORCED CONCRETE U-BEAM INTEGRAL WITH ABUTMENTS.
    - DESIGN METHOD - LIMIT STATE
    - DESIGN CODE - TMH7 PART 3
  - MATERIAL STRENGTHS & STRESSES**

CONCRETE:	CLASS (MPa/mm)
BLINDING	- 15/19
PIILING	- 30/19
FOUNDATIONS	- 30/19
ABUTMENTS & PIERS	- 30/19
DECK	- 30/19

    - REINFORCEMENT: MILD STEEL - 250 MPa
    - HIGH-YIELD-STRESS STEEL - 450 MPa
  - SUBSTRUCTURE**
    - FOUNDATIONS: FOUNDATION DEPTHS TO BE DETERMINED ON SITE. FOUNDATIONS ARE TO BE SECURED WITH 4000 CFA PILES. ALL WORK TO BE IN ACCORDANCE TO ENGINEERS SPECIFICATION AND APPROVAL.
    - CONCRETE COVER: CAST AGAINST EARTH - 40mm; FOUNDATIONS (SHUTTERED) - 40mm; FOUNDATIONS (UNDERNEATH) - 75mm; EXPOSED SURFACES - 40mm.
    - CHAMFERS TO ALL EXPOSED SHARP CORNERS 25 x 25mm.

V1	20/08/2024	FOR INFORMATION
Revision	Date	Description
		NOTE: No construction work to commence until land and servitude acquisitions have been completed.
Acquisitions completed:		
Date: _____ Engineer: _____		
UNDERGROUND SERVICES CHECKED		
SERVICE	DATE	SIGNATURE
SEWERS		
WATER MAINS		
G.P.O CABLES		
ELECTRIC CABLES		
SAK CABLES		
F.S.C CABLES		
OIL PIPE LINE		
NOTE: Only underground services affected by new construction work are shown. Care must be taken during excavations for road foundations, trenches etc. to avoid damage to underground services such as sewers, water mains, cables, water mains and connections. Wherever possible these must be located before work proceeds.		
Contract No.	1R-----	
Project Title	WARD 83 - PEDESTRIAN BRIDGE, 109097 STREET	
Drawing Title	GENERAL ARRANGEMENT	
Scales	AS SHOWN	Date: 20/08/2024
Designed by	X. MKATI	Checked:
Drawn by	X. MKATI	Surveyed:
Manager: Structures	P.G. Fenton	
Deputy Head: Roads Provision	S. Masondo	
T. Zulu	Act HEAD : ENGINEERING	
Drawing No.	-----	Sheet of Rev. V1

FOR INFORMATION