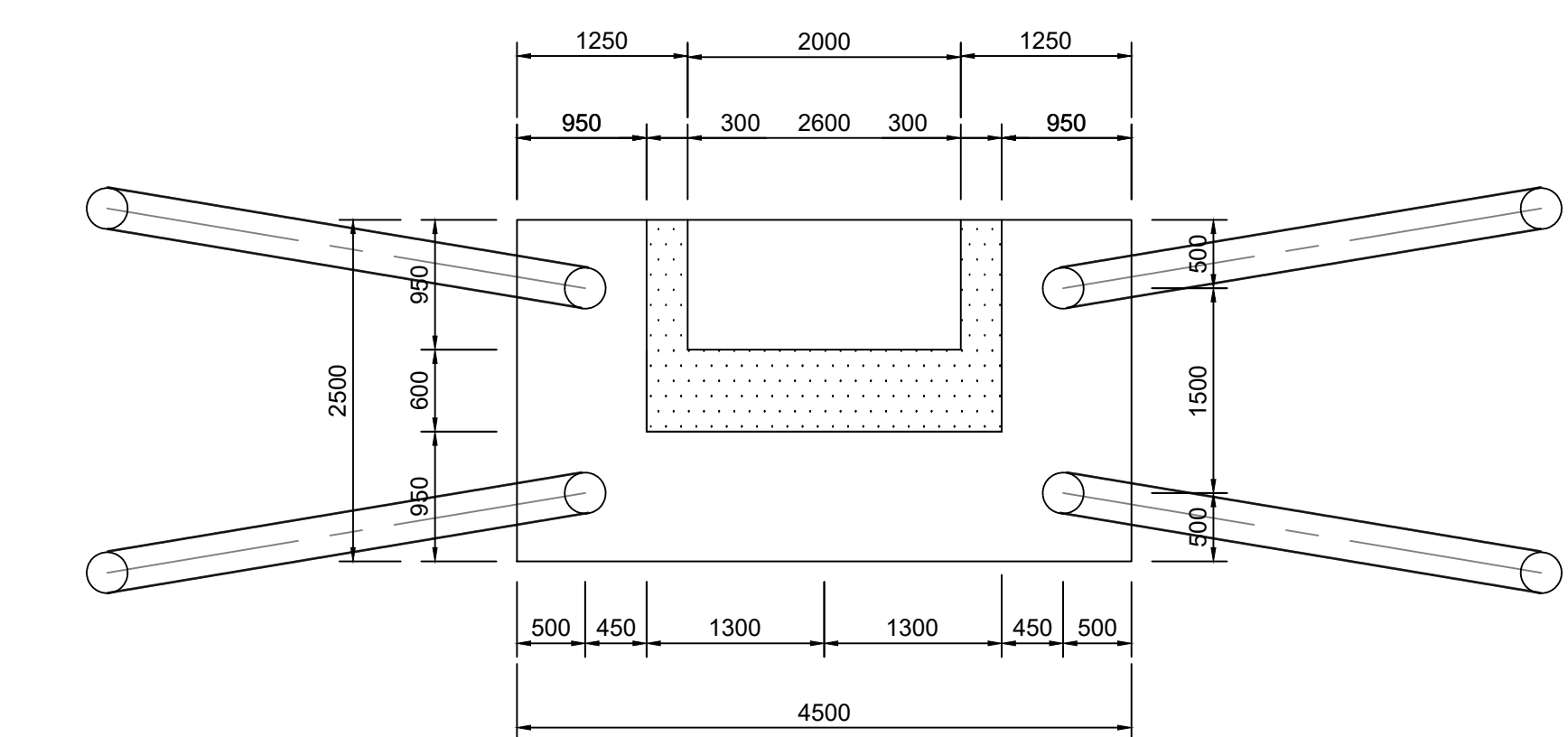
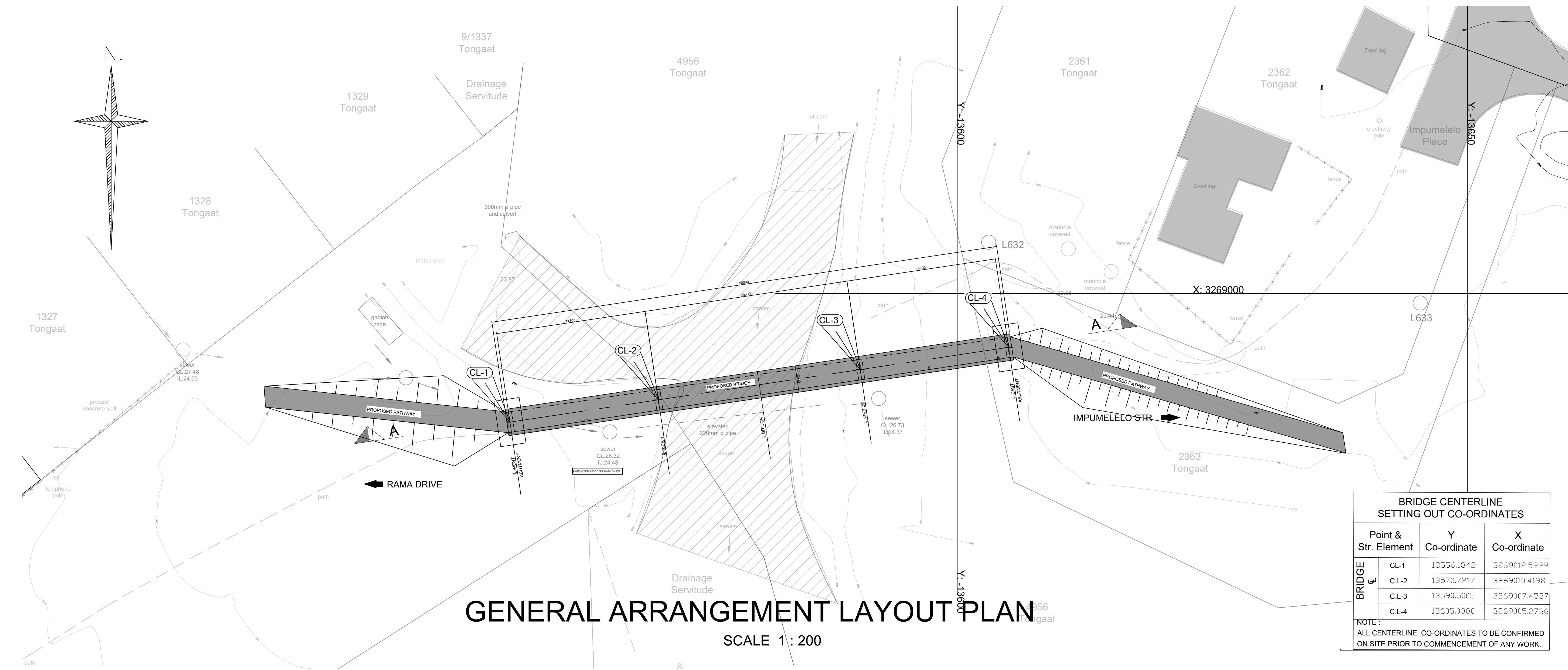
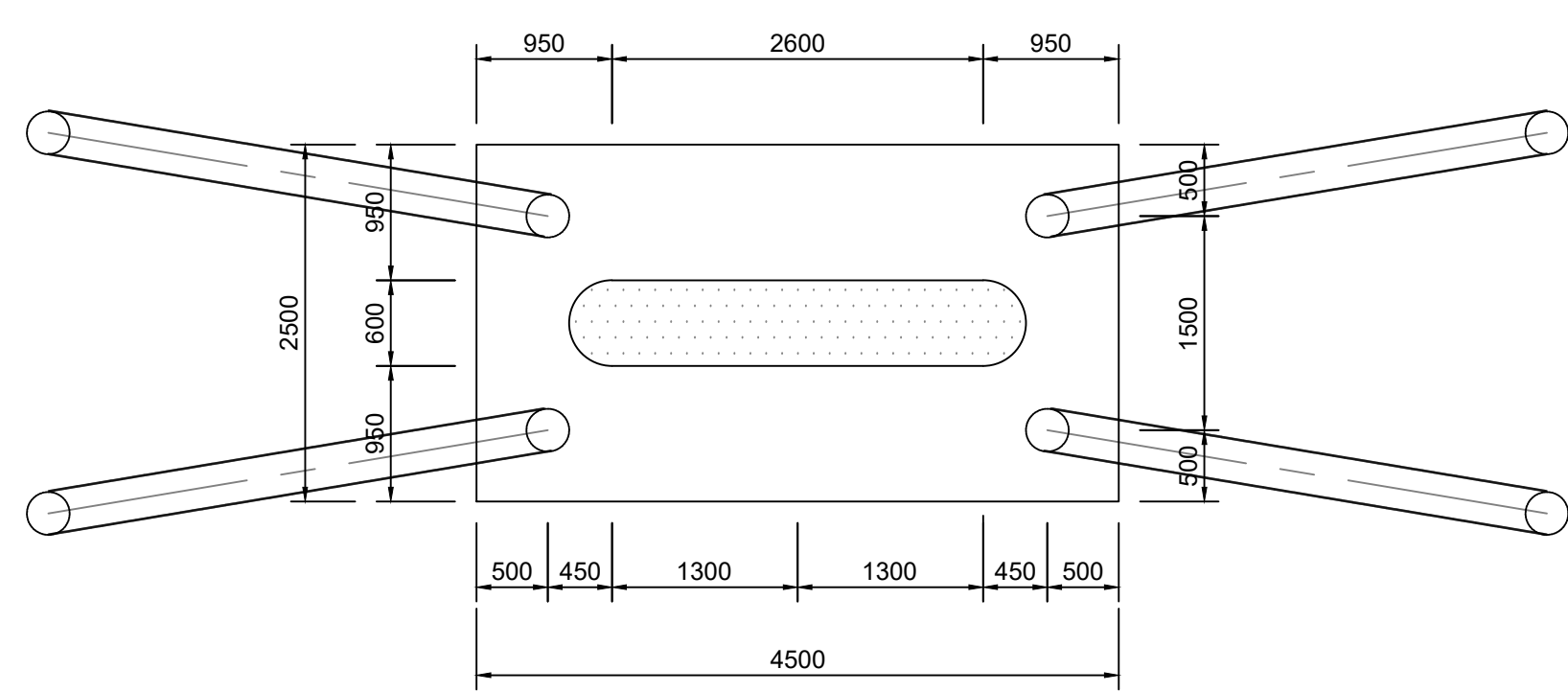


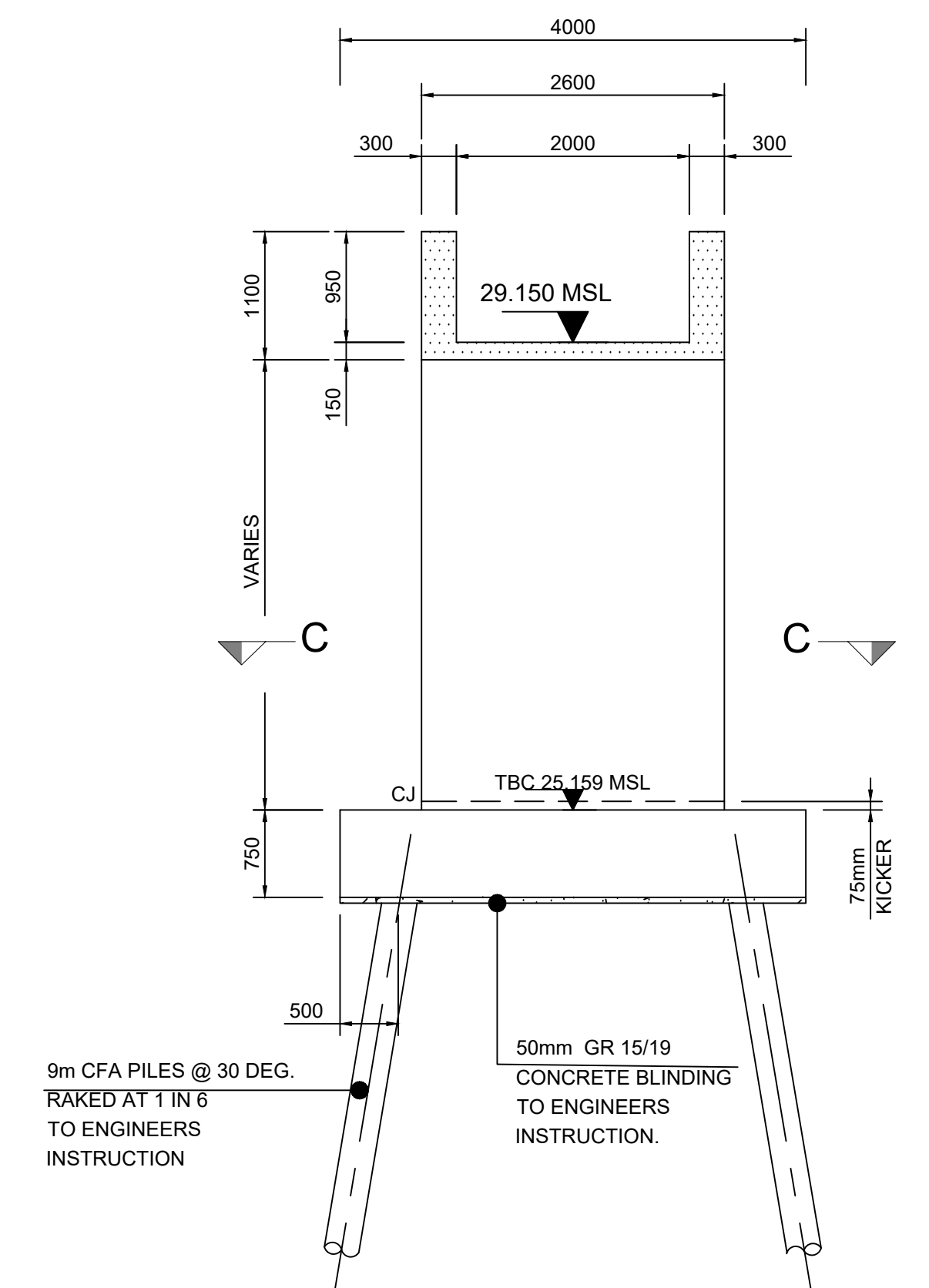


**SECTION C - C
SHOWING
ABUTMENT BASE**
SCALE 1 : 50



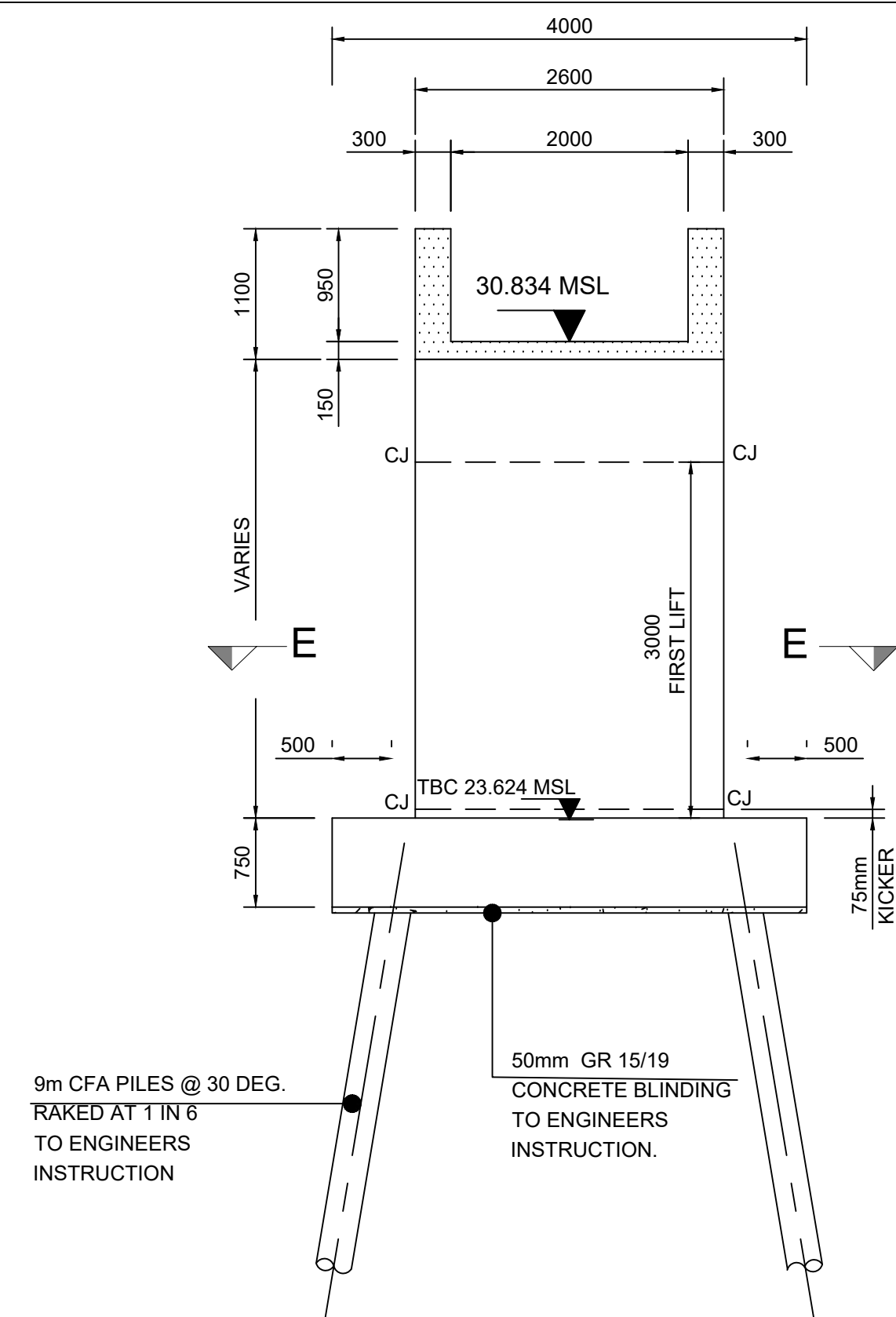
**SECTION E - E
SHOWING PIER BASE**
SCALE 1 : 50

FOUNDING DEPTHS TO BE DETERMINED ON SITE
FOUNDATIONS ARE TO BE LAID ON TOP OF 300 DIA CFA PILES
ALL WORK TO BE DONE IN ACCORDANCE TO ENGINEERS SPECIFICATIONS AND APPROVAL



**SECTION B - B
ABUTMENT ELEVATION**
SCALE 1 : 50

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



**SECTION D - D
PIER ELEVATION**
SCALE 1 : 50

NOTES:

1. GENERAL

DESCRIPTION - THE BRIDGE IS A THREE (3) SPAN CONVENTIONALLY REINFORCED CONCRETE U-BEAM WITH INTEGRAL PIERS AND ABUTMENTS

DESIGN METHOD - LIMIT STATE

DESIGN CODE - TMH7 PART 3

2. MATERIAL STRENGTHS & STRESSES

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

REINFORCEMENT:
MILD STEEL - 250 MPa
HIGH-YIELD STRESS STEEL - 450 MPa

3. SUBSTRUCTURE

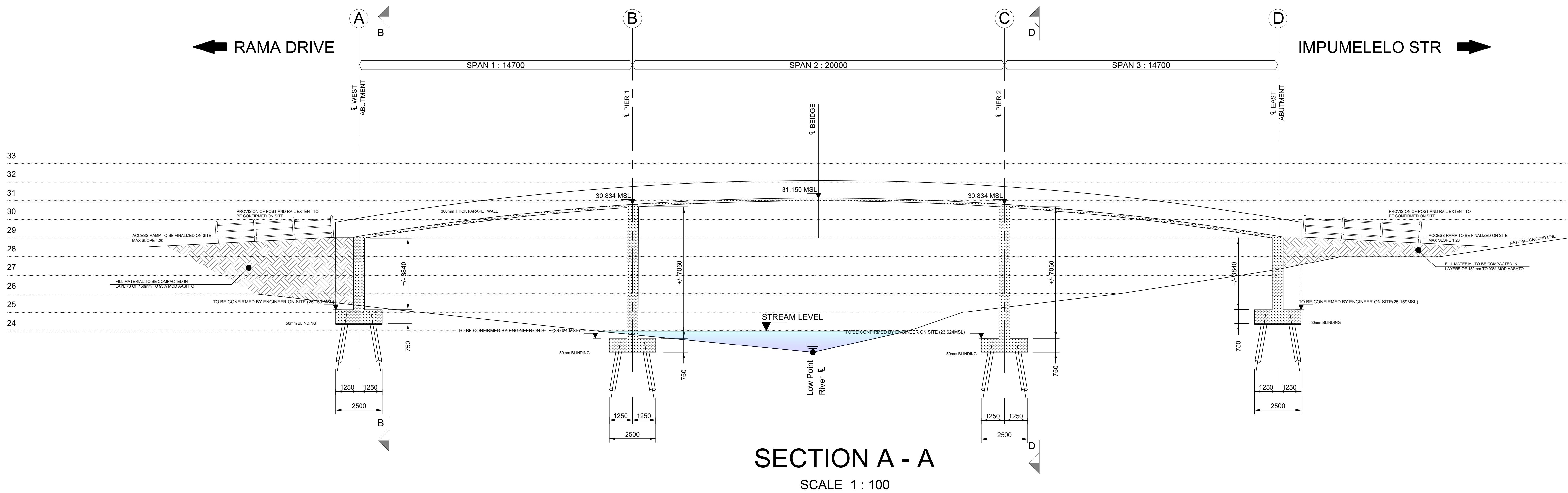
a) FOUNDATIONS
FOUNDING DEPTHS TO BE DETERMINED ON SITE.
FOUNDATIONS ARE TO BE SECURED ON PILES MIN 3000
RAKED AT 1:6
ALL WORK TO BE IN ACCORDANCE TO ENGINEERS SPECIFICATIONS AND APPROVALS

b) CONCRETE FINISHES TO BE FORMED & UNFORMED SURFACES
FOUNDATIONS CLASS 1
ABUTMENTS (BURIED) CLASS 1
DECK TOP SLAB CLASS 3(a)
DECK SIDES AND SOFFIT CLASS 3(a)
PARAPETS AND BARRIERS CLASS 3(a)

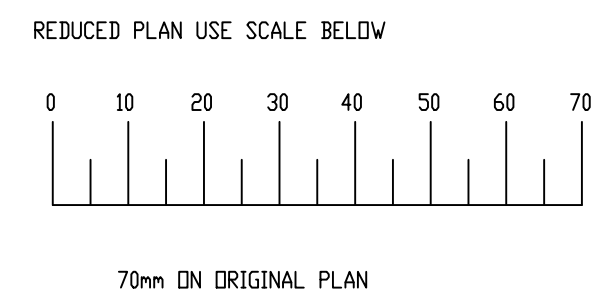
c) CONCRETE COVER
CAST AGAINST EARTH - 40mm
FOUNDATIONS (SHUTTERED) - 40mm
EXPOSED SURFACES - 40mm

d) CHAMFERS TO ALL EXPOSED SHARP CORNERS 25 x 25mm

FOR TENDER PURPOSES ONLY



SECTION A - A
SCALE 1 : 100



LEGEND
EXISTING UNDERGROUND SERVICES ARE AS SHOWN BELOW
SEWERS AND M.H.'S
STORM WATER DRAIN AND M.H.'S
WATER MAINS AND VALVES
ELECTRICITY CABLES
G.P.D. TELEPHONE CABLES

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
S.W. DRAINS	000000	
SEWERS	000000	
WATER MAINS	000000	
G.P.D. CABLES	000000	
ELECTRIC CABLES	000000	
SAR CABLES	000000	
E.S.C. CABLES	000000	
OIL PIPE LINE	000000	

NOTE: 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, drains, cables, water mains and connections wherever possible these must be located before work proceeds.

Contract No. **1R - 23926**

Project Title
**FLOOD DAMAGE REMEDIATION
REMOVAL OF DAMAGED CROSSING
AND REPLACEMENT WITH A
BRIDGE AT STR 610291**

Drawing Title

GENERAL ARRANGEMENT

SCALES	AS SHOWN	Date	02 - 2023
Designed	REK	Checked	P&F.
Drawn	REK	Surveyed	DD.
Manager (STRUCTURES)			
Deputy Head			
A MATHER HEAD : ENGINEERING			
Drawing	XXXXX	Sheet	1 Rev.