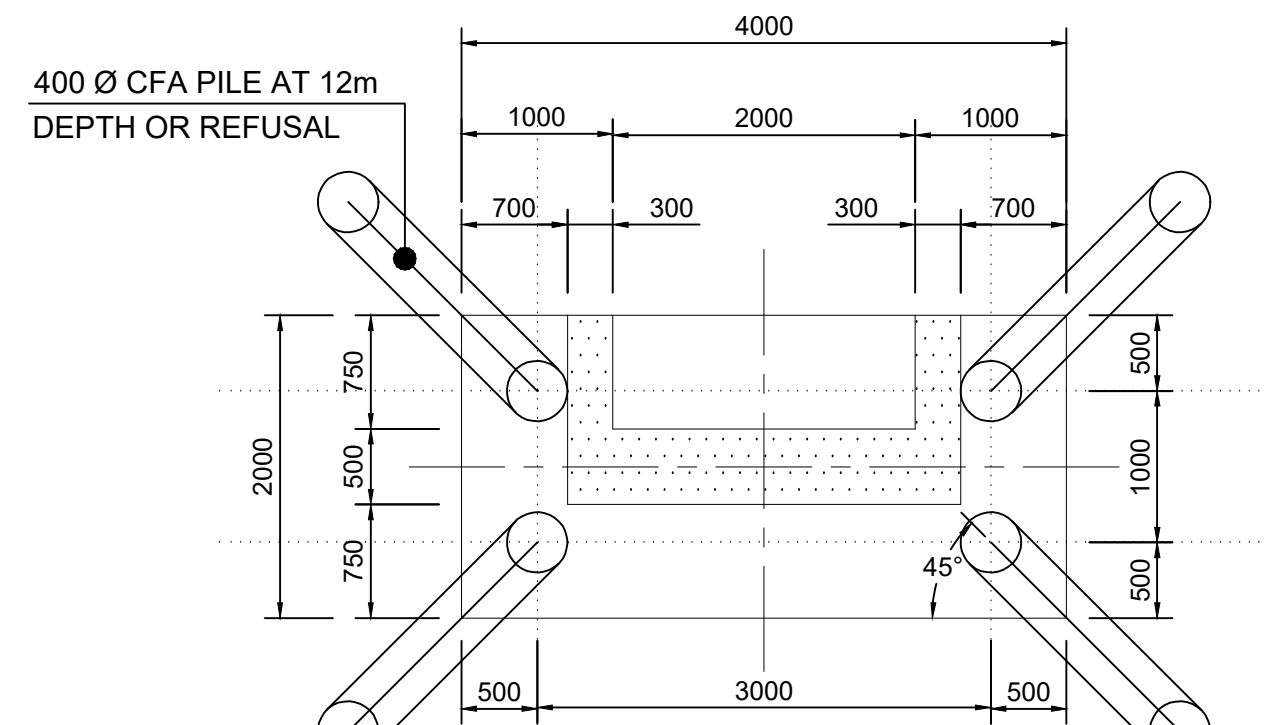
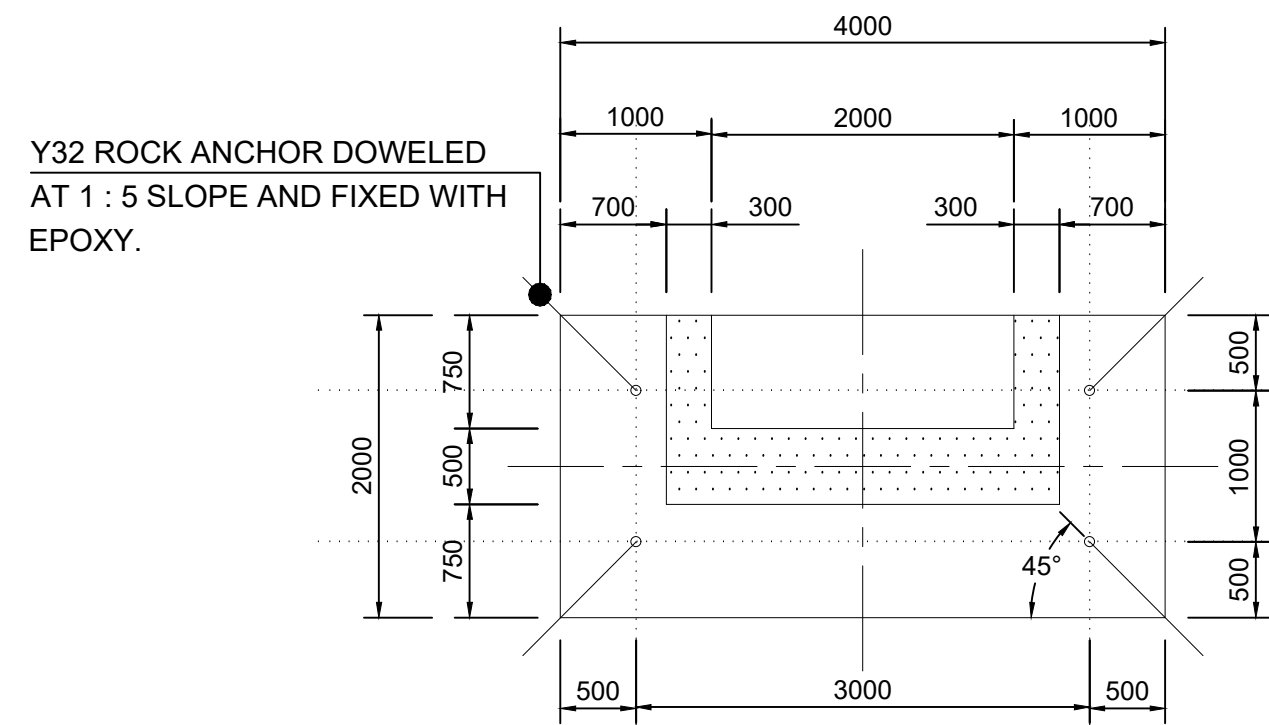
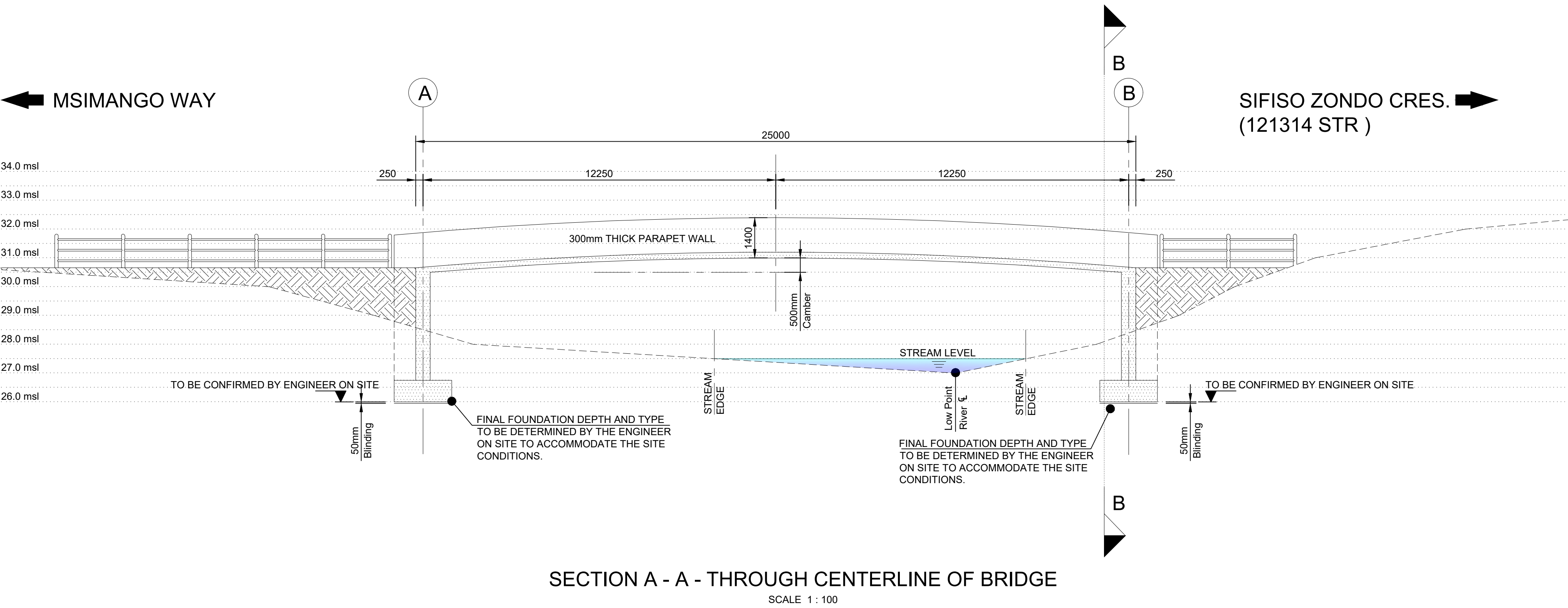
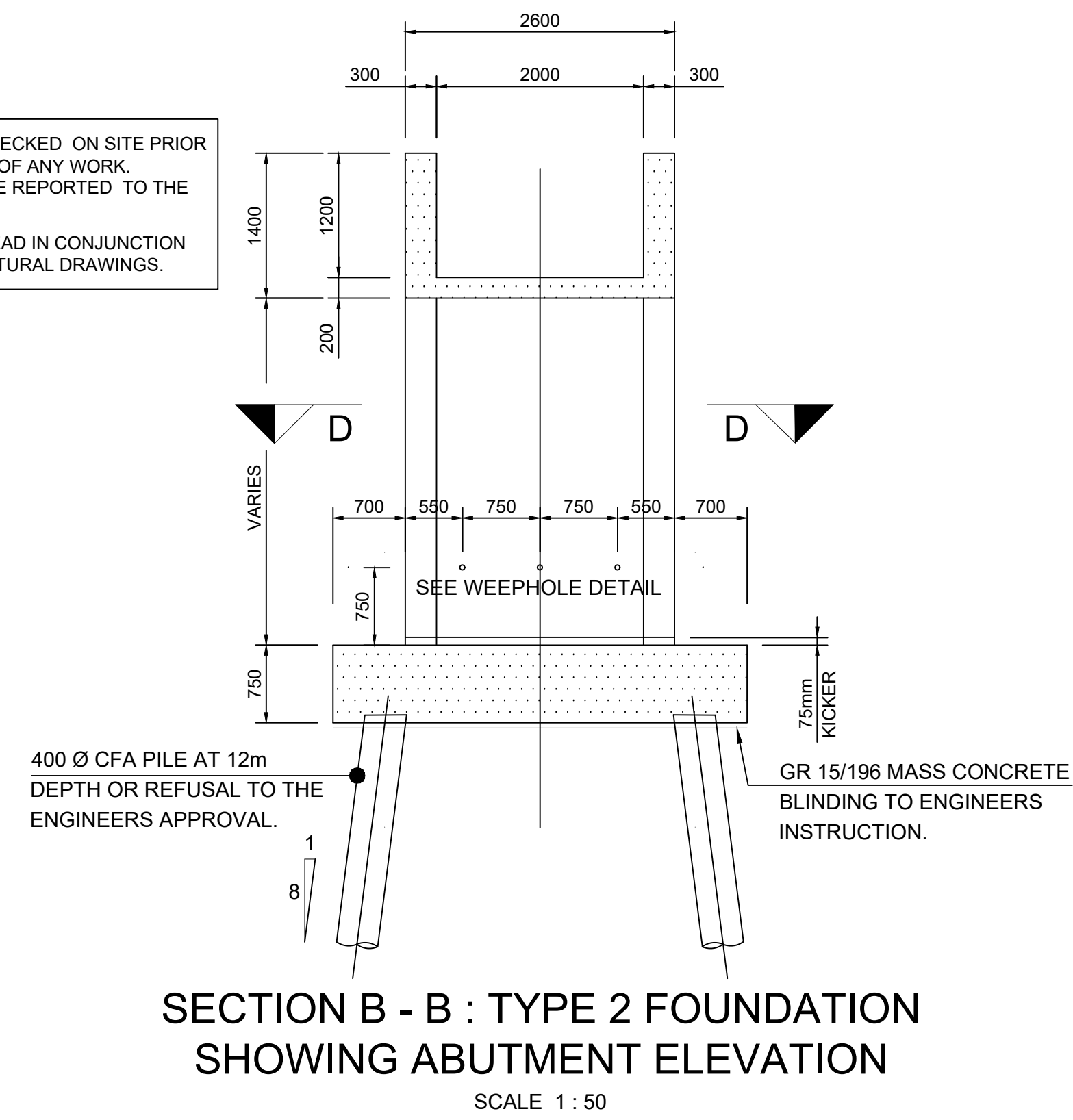
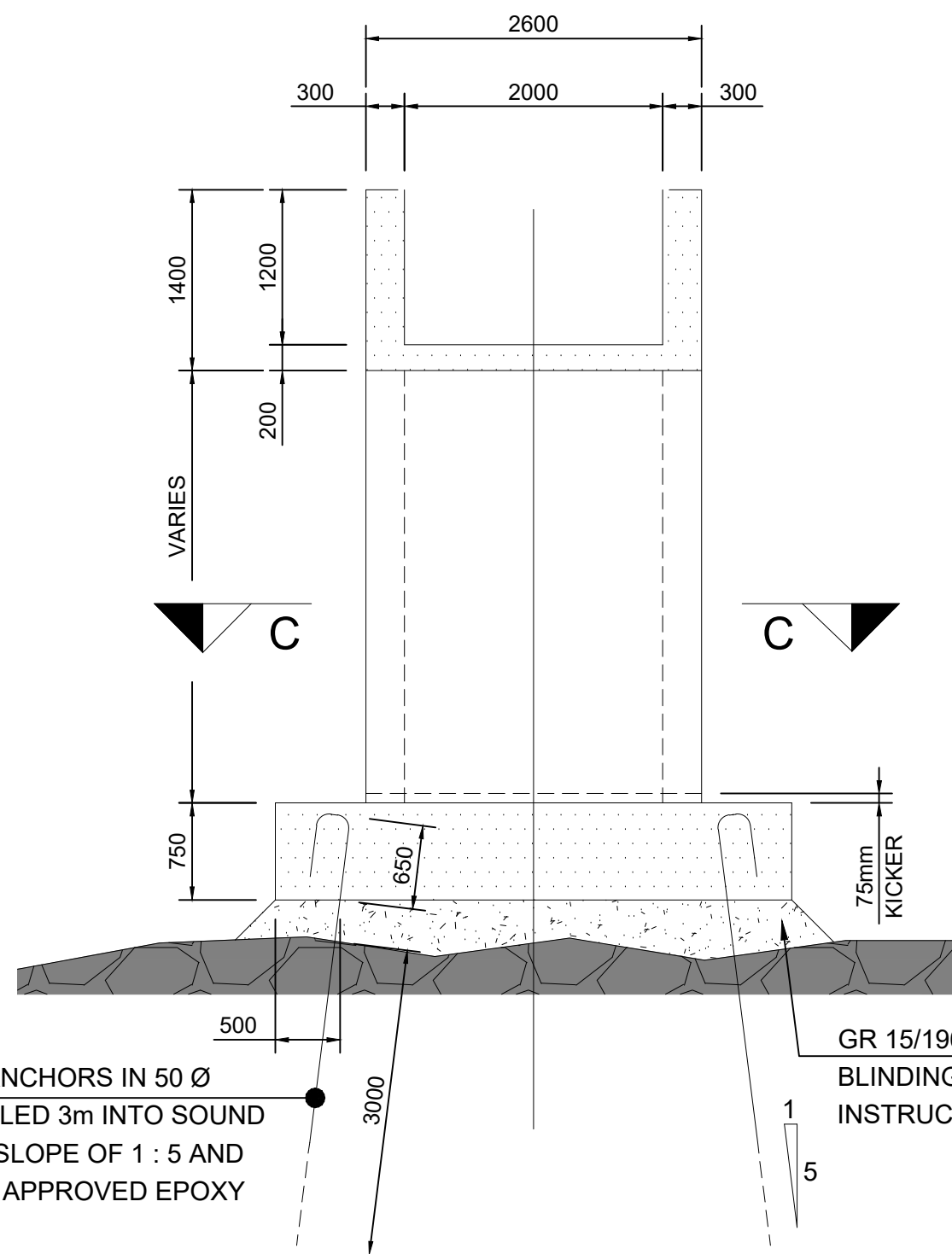
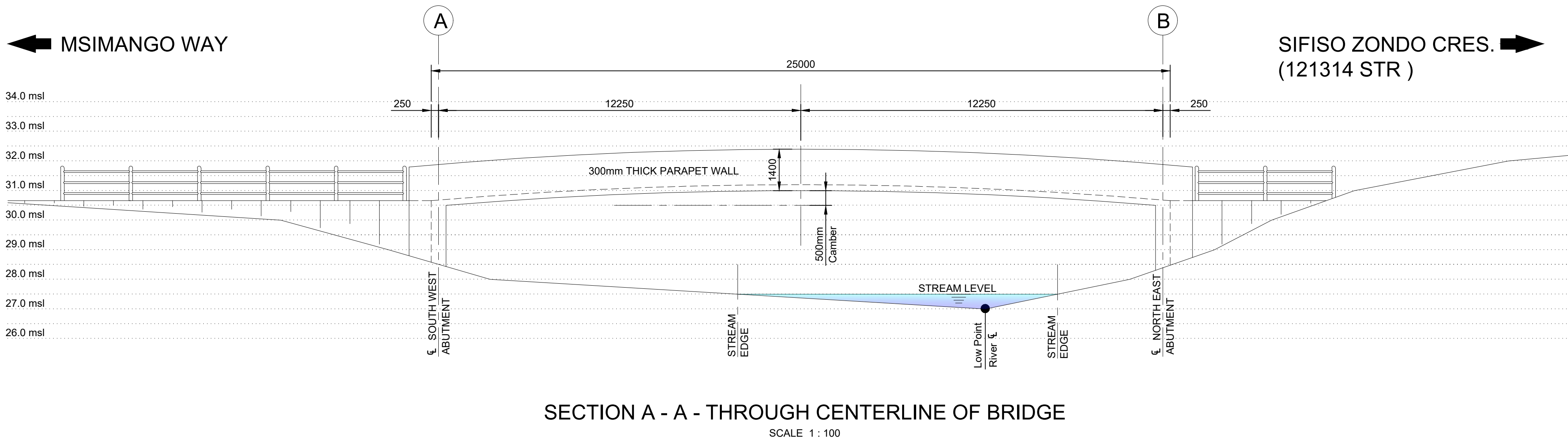
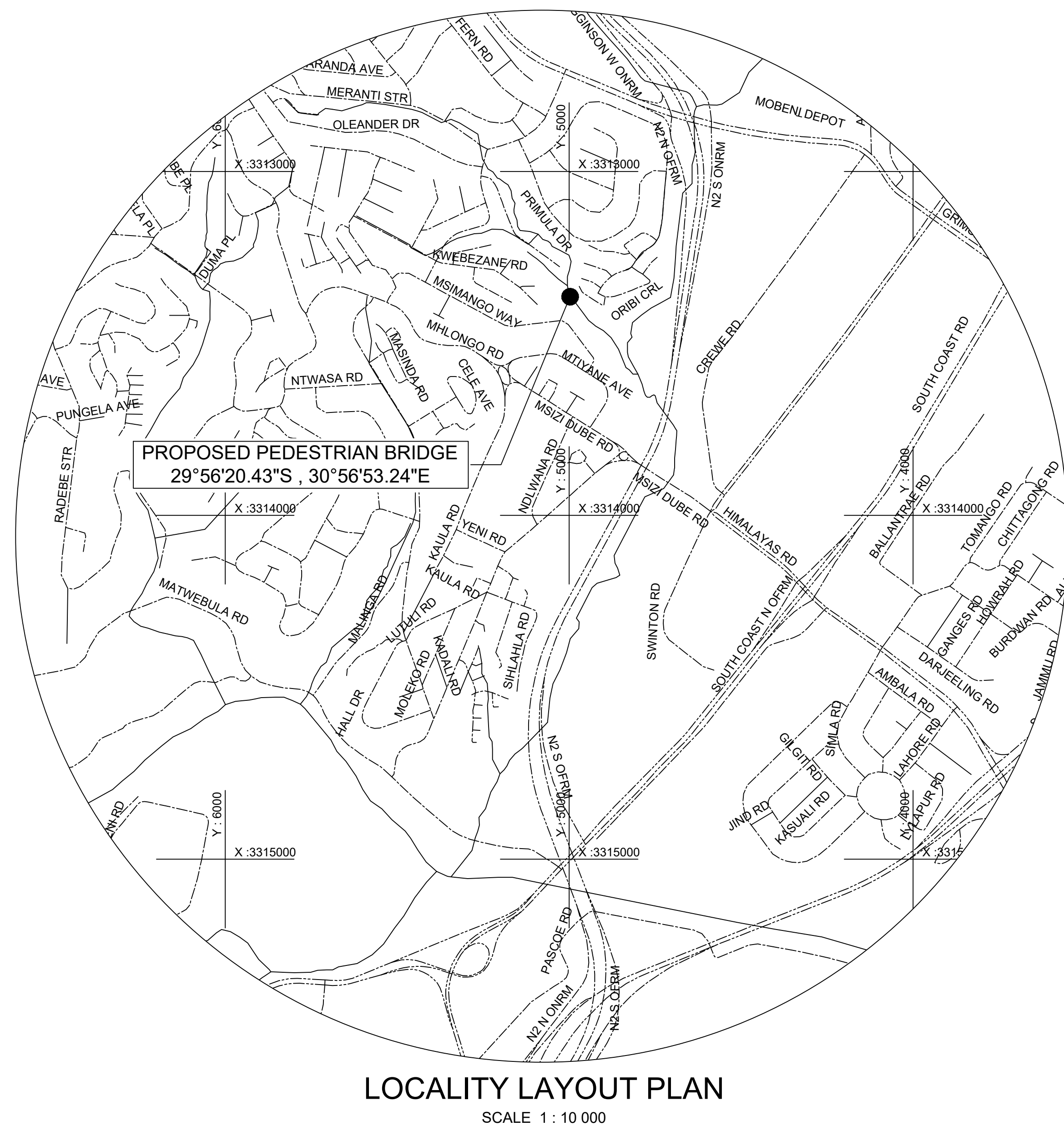
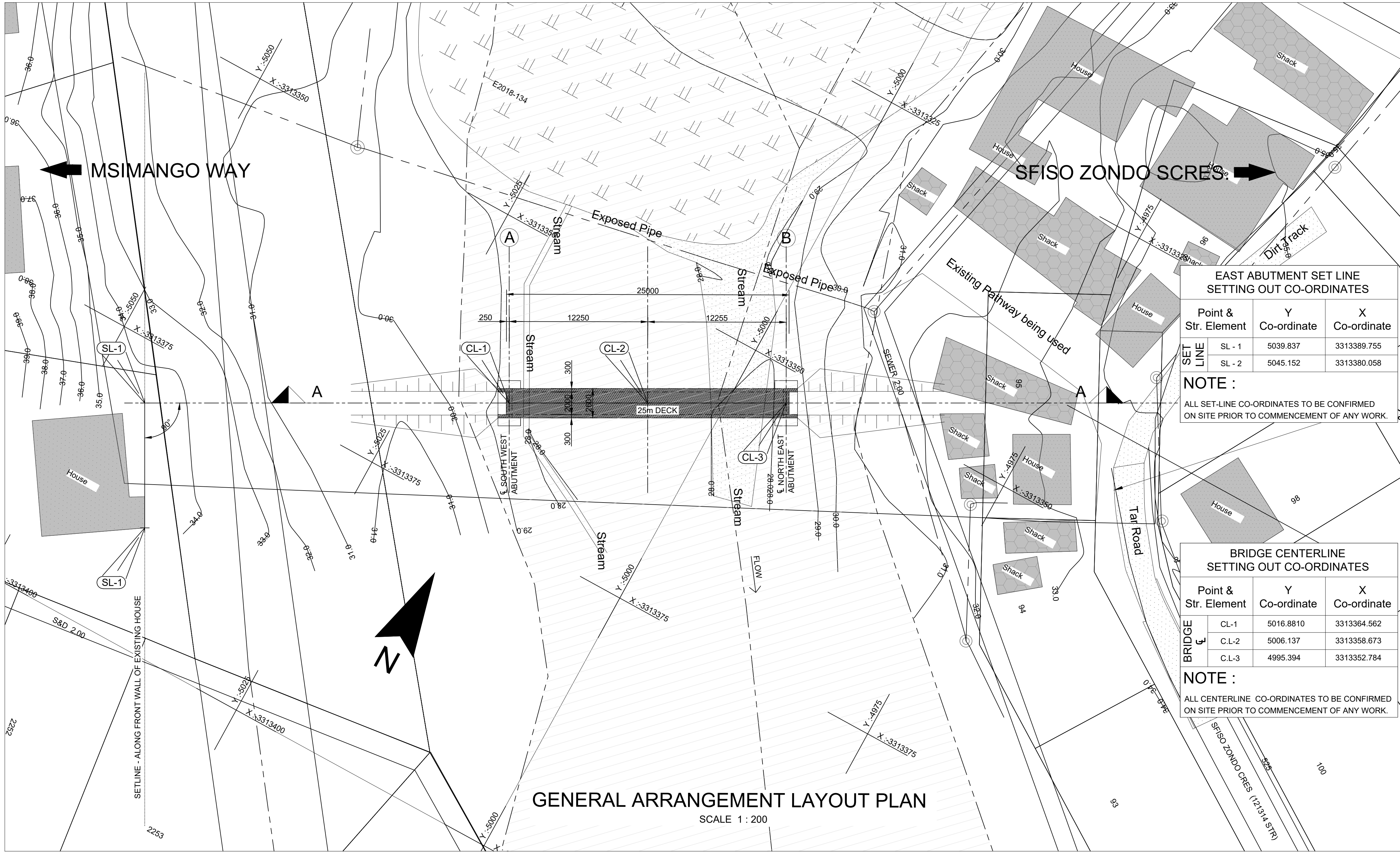




NOTES:

1. 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

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 ONTO ROCK WITH Y32 ROCK ANCHORS. ALL WORK TO BE IN ACCORDANCE TO ENGINEERS SPECIFICATION AND APPROVAL.

b) CONCRETE FINISHES TO FORMED & UNFORMED SURFACES

FOUNDATIONS (BURIED) CLASS 1

ABUTMENTS (BURIED) CLASS 3(a)

ABUTMENTS (EXPOSED) CLASS 3(a)

DECK TOP SLAB UNFORMED CLASS 3(a)

DECK SIDES & SOFFIT UNFORMED CLASS 3(a)

PARAPETS & 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

eTHEKWINI MUNICIPALITY

PROCUREMENT AND INFRASTRUCTURE CLUSTER

ENGINEERING UNIT

ROADS PROVISION DEPARTMENT

STRUCTURES BRANCH

REDUCED PLAN USE SCALE BELOW

0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

| Revision | Date       | PREPARED FOR EIA PURPOSES |
|----------|------------|---------------------------|
| V1       | 27/11/2020 | PREPARED FOR EIA PURPOSES |

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      |      |           |
| SEWERS          |      |           |
| WATER MAINS     |      |           |
| G.P.O CABLES    |      |           |
| ELECTRIC CABLES |      |           |
| S.A.R CABLES    |      |           |
| E.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, trenching etc, to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Whenever possible these must be located before work proceeds.

Contract No. 1R-23764

Project Title

WARD 69

PEDESTRIAN BRIDGE

MSIMANGO WAY - SFISO ZONDO CRES.

Drawing Title

GENERAL ARRANGEMENT LOCALITY PLAN, SECTIONS AND ELEVATION OF PEDESTRIAN BRIDGE

| Scales                               | AS SHOWN    | Date         | 10/03/2023      |
|--------------------------------------|-------------|--------------|-----------------|
| Designed                             | P. FENTON   | Checked      | J. HARRIPERSHAD |
| Drawn                                | E. NYAKAMBI | Surveyed     | SURVEY DEPT.    |
| Manager                              | Structures  |              |                 |
| P G Fenton                           |             |              |                 |
| ACTING Deputy Head : Roads Provision |             |              |                 |
| S MASONDO                            |             |              |                 |
| HEAD : ENGINEERING                   |             |              |                 |
| Drawing No.                          | 49220       | Sheet 1 of 1 | Rev. V1         |